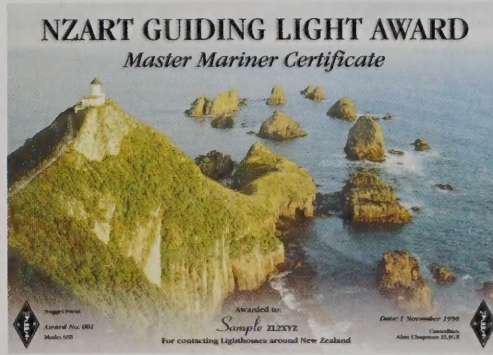
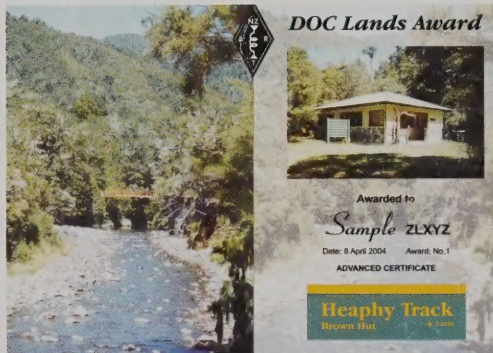
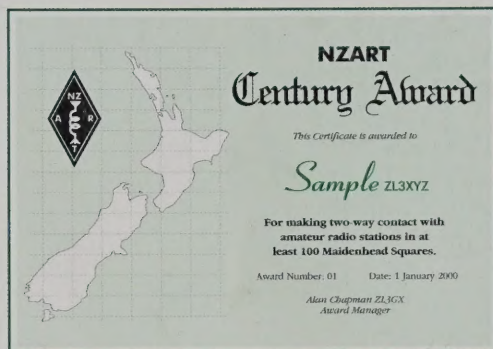
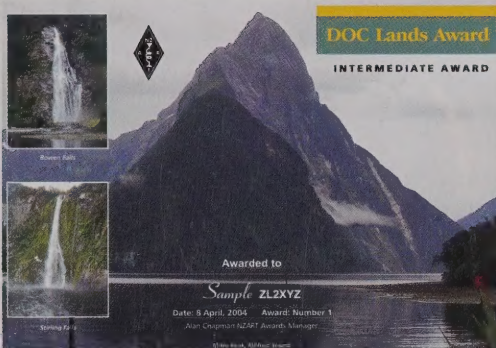


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NEW ZEALAND AMATEUR RADIO

CALLBOOK

AND RADIO REFERENCE



NEW ZEALAND ASSOCIATION OF RADIO TRANSMITTERS INC.



Radio Reading Service



**Your
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to
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First Floor, Levin Shopping Mall
NZ Radio For The Print Disabled (Inc)

PO Box 360, Levin

For e-mail, refer to website: www.radioreading.org

This is a non-commercial, voluntary, Radio Station, established and operated by **New Zealand Radio For the Print Disabled (Inc)**. The station commenced broadcasting on May 9 1987 and is funded from: donations, subscriptions, bequests and limited sponsorship along with assistance from **New Zealand On Air**. Listeners' Comments and Reception Reports are particularly valued by the Station and are acknowledged with a QSL card.

An example of Amateur Radio serving the wider Community

We read whole
information as it is
printed from:

- Newspapers
- Magazines
- Periodicals

Wellington Mountain Radio Service Inc.

Telephone (04) 564-6929

'Canterbury Mountain Radio Service Inc'.

— 'CMRS' Field Sets with the full telephone features.

Is the leader in back-country communications.

MRS3M

With these 3 field sets...

'Help is just a phone call 24/7'

SR3

MRS1

With these field sets you have the technology, to call either of our two bases, then check which is the best to call through, then you can instruct the base to make the phone call, 24/7.

Hawkes Bay Mountain Radio Service: (06) 843-8291 or (06) 876-0518

Central North Island Mountain Radio Service: 0800 264 677

Rotorua: (07) 345 9687

Taupo: (07) 378 4162

Ashurst: (06) 329 4059

Ohakune: (06) 385-8692

Raetihi: (06) 385-4623

Palmerston North: (06) 329-4746

Wellington Mountain Radio Service: (04) 564-6929

Wellington: (04) 479-2144

Otaki: (06) 364-7754

Masterton: (06) 377-0987 or (06) 377-0426

Palmerston North: (06) 356-9450

Wanganui: (06) 345-6624

Canterbury Mountain Radio Service: (03) 379-7905

DOC Te Anau & Wanaka (Fiordland & Mt Aspiring National Parks)

Methven: (03) 302-8410

Nelson: (03) 544-7085

Hokitika: (03) 755-7636 or (03) 755-6135

Takaka: (03) 525- 9576

Dunedin: (03) 454-3262

Southland Field Radio: (03) 216-3751 or (03) 249-8363

Listen to live traffic on the internet at <http://www.wmrs.org.nz:8000/> or 3345kHz and 3261kHz USB

Ph/Fax 03 379-7905



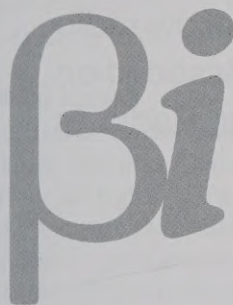
NEW ZEALAND AMATEUR RADIO

CALLBOOK

AND RADIO REFERENCE

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OFFICIAL JOURNAL OF
THE NEW ZEALAND
ASSOCIATION OF RADIO
TRANSMITTERS INC.



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including advertisements, are entirely those
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official points of view.

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THE AMATEUR'S CODE

1

The Amateur is Considerate ...

never knowingly using the air in such a way as to lessen the pleasure of others.

2

The Amateur is Loyal ...

offering loyalty, encouragement and support to fellow radio amateurs, local clubs and to the New Zealand Association of Radio Transmitters, through which Amateur Radio is represented in New Zealand.

3

The Amateur is Progressive ...

keeping his or her station abreast of science. It is well-built and efficient. His or her operating practice is above reproach.

4

The Amateur is Friendly ...

slow and patient sending when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration of the interests of others; these are the marks of the amateur spirit.

5

The Amateur is Balanced ...

radio is a hobby. It is never allowed to interfere with any of the duties owing to home, job, school, or community.

6

The Amateur is Patriotic ...

with knowledge and station always ready for the service of country and community.

—PAUL M. SEGAL
ex-W3EEA, W9EEA
(Amended by the Editor)

AMATEUR RADIO

What is Amateur Radio?

Amateur Radio, also affectionally known as “Ham radio”, is a hobby of constructing, experimenting and communicating with radio equipment. In New Zealand, the Ministry of Economic Development (Radio Spectrum Management) issues licenses to Radio Hams. Once licensed, an amateur can operate radio equipment from home, from their vehicles or from anywhere in New Zealand. A number of radio frequencies have been set aside for Amateur Radio. Using these frequencies a Ham can talk across town or around the world. The scope and possibilities are endless – from talking across town to your local repeater to operating in international contests or talking through Amateur Radio satellites.

Who can be Hams?

Just about anyone can become a Ham. Some famous muscians, actors, kings and prime ministers are Hams, but most are people from all walks of life who like communicating and experimenting with radio and electronics. Young people find Amateur Radio a great training ground, older people find “ham radio” an absorbing retirement hobby.

Amateur Radio is more than a hobby, it is also a service. Hams willingly contribute their time, equipment and operating skills whenever the need arises, especially during Civil Defence emergencies and search and rescue operations. The Amateur Radio Emergency Communications (AREC) are a sub group of NZART that organises emergency communications for the Emergency Services.

How do I become a Ham?

Passing a Ham license is quite easy. For an Amateur Radio license you need to correctly answer 40 out of 60 questions from a multi-choice question paper. The questions cover radio theory and regulations. You can download the questions from the public domain question-bank at <http://www.nzart.org.nz/nzart/exam>. As a newly licensed Ham you will be able to operate on amateur bands below 5MHz or above 25MHz. After three months operation and with 50 logged contacts you will be able to operate on all New Zealand amateur bands.

Where do I get more information?

The New Zealand Association of Radio Transmitters (Inc.) is a non-profit association of Amateur Radio Operators. NZART has branches and instructors in most of the larger cities and towns. For more information on Amateur Radio and details of a club near you, contact: The Business Manager, NZART, PO Box 40-525, Upper Hutt. Email nzart@nzart.org.nz or check out the NZART website at <http://www.nzart.org.nz>.



New Zealand Association of Radio Transmitters
INC

INC

(Founder Member of the International Amateur Radio Union Region 3)

Mail to: BUSINESS MANAGER, PO BOX 40-525, UPPER HUTT 5140, NEW ZEALAND

PLEASE ENROL ME AS A NEW MEMBER AS FOLLOWS:

TRANSMITTING <input type="checkbox"/>	NON-TRANSMITTING <input type="checkbox"/>	STUDENT <input type="checkbox"/>	FAMILY <input type="checkbox"/>	OVERSEAS <input type="checkbox"/>	ASSOCIATE <input type="checkbox"/>	CONCESSIONARY <input type="checkbox"/>
MR MS MRS MISS	INITIALS	SURNAME				
ADDRESS						
POSTCODE						
OCCUPATION						DATE OF BIRTH

CALL-SIGN

PREFERRED BRANCH, NAME OR NO

PLEASE FIND ENCLOSED

\$

MY SUBSCRIPTION TO

Dec 31 2009

I agree to abide by the NZART Constitution

Signature:

The information requested (other than date of birth) is for membership records required to be maintained under the Incorporated Societies' Act 1908.

Date of Birth is requested for statistical purposes only.

Membership benefits include the automatic inclusion of transmitting call-sign holders' address details in *Call Book* (published annually).

If you DO NOT wish your details published please sign below:

I DO NOT want my address details published by NZART _____

IF YOU PREFER TO PAY BY CREDIT CARD PLEASE COMPLETE

[illegible]

Signature: _____

FROM THE EDITOR

This year's hardcopy version of Callbook is a "midi" size as per last year's with updated databases. It is intended to issue a full Callbook on CD later in the year. One of the reasons for the delayed issue of the CD is that the VK callsign list is not available.

Many people have provided new information for their articles and databases for both versions and I extend my gratitude to all of them for their contributions and advice. I must also express my gratitude to the staff at Wyatt and Wilson Print Ltd for perservering with a new editor while having to typeset their first *Callbook*.

The Callsign list has been reproduced from the MED database but formatted for hopefully easier reading. It is disappointing to see that so many people have not bothered to update their addresses and this is obvious when post codes have either not been entered or are still the old ones. I implore everyone to go into the SMART database and update

their records to ensure that next year's *Callbook* callsign lists will be more correct. Instructions on how to do so have been published in *Break-In* several times.

It was also disappointing that 20% of the branches not in recess did not bother to update their details. We can assume that most of those who did not respond did not have any changes but it would be nice to know!

50% of the branches did not respond to the FMTAG request to update the repeater data. Again most branches probably had no changes to advise and with the data from the MED database one hopes the repeater data is close to 100% correct.

I would appreciate constructive comments and suggestions to email <callbook@nzart.org.nz>.

73 de **Lorne Douglas** ZL2AHB / ZL3LSD
2008/2009 *Callbook Editor*

CHANGE OF ADDRESS NOTIFICATION

To
The Office Manager, NZART
PO Box 40-525, Upper Hutt 5140

Name _____ Call-sign _____ Membership No. _____

Old Address _____ New Station Address: _____

Postcode _____

Break-In postal address (if different):

Postcode _____



REMEMBER: if you change your address you **MUST** notify the nearest office of the
Ministry of Economic Development (Radio Spectrum Management) 0508 776-463
AND the Office Manager, NZART.

PLEASE POST THIS FORM TO THE OFFICE MANAGER, NZART AT THE ABOVE ADDRESS.



NZART MEMBERSHIP SERVICES

New Zealand Radio Frequency Service Liaison on licensing and spectrum matters.

International Representation with membership in the International Amateur Radio Union.

Amateur Repeater Service co-ordination by the Frequency Management and Technical Advisory Group.

Satellite Co-ordination liaison with satellite organisations worldwide.

Amateur Beacon Service co-ordination with the Frequency Management and Technical Advisory Group.

Satellite Support donations and fundraising.

Spectrum Band-planning for Council by the Frequency Management and Technical Advisory Group.

Public Service Involvement by the Amateur Radio Emergency Corps for Civil Defence and Search and Rescue.

Break-In Journal published bi-monthly six times per year.

Amateur Radio Call Book published annually.

Reciprocal Licensing advice for travellers to or from New Zealand.

Publications with member discount.

QSL Bureau for dispatch and collection of cards.

Official Broadcast transmitted monthly.

Video Tape Library for branch borrowing.

Teletext for current news and promotion.

Slow Morse Practise for Amateur Radio Operator's Certificate.

Monitoring Service to protect our bands.

Contents and Awards administration, branch, national and international.

Annual Conference our national forum.

VHF Convention for VHF constructors and experimenters.

Technical Standards co-ordination.

Third Party Insurance for NZART activities, branches and AREC.

Education and Development Group for co-ordination of Radio Training.

Examination Division organisation of Amateur Operator Certificate examinations.

Bulletin Board Systems for up-to-date information and messages.

Special Projects for funds for promoting radio in developing countries.

Legal Advice on tower permits.

Branch Services constitutional, legal, financial, etc.

NZART MEMBERS ORDER FORM

NZART Publications and Supplies	Price each	Non Member	Quantity required	Cost
Additional copies of <i>Break-In</i>	\$6.00	\$7.50		
Amateur Radio in New Zealand – The new rules explained	\$10.00	\$12.50		
Amateur Radio Logbook	\$10.00	\$12.50		
Amateur Radio Training Manual Fifth Edition (spiral bound)	\$24.00	\$30.00		
<i>Call Book</i> 2008-2009	\$20.00	\$25.00		
<i>Ham Shacks, Brass Pounders and Rag Chewers</i>	\$5.00	\$10.00		
Log Sheets (per 10)	\$2.00	\$3.00		
Secret Listening	\$5.00	\$7.50		
NZART Examination Questions (bound copy)	\$15.00	\$20.00		
NZART CD ROM Study Guide	\$10.00	\$12.50		
NZART Badge – Call-sign	\$10.00	N/A		
– Life Member of Branch	\$14.00	N/A		
– OTC Blue	\$10.00	N/A		
– Plain	\$5.00	N/A		
NZART Pen	\$2.00	\$4.00		
Plastic coated name badge	\$10.50	N/A		
NZART Caps	\$15.00	\$15.00		
NZART Subscription:				
Standard \$95, Student \$45, Family Addition \$30, Family Maximum \$120, Overseas: Airmail \$110, Surface \$95				
Prices include GST plus P&P and are subject to change without notice. Please include full remittance with order. Non-members add 20% to all prices. Overseas members will incur additional postage dependent on country.				TOTAL \$

Application for new or lapsed Callsign/Certificate \$75.00

Other Charges:

Providing a replacement Certificate \$25.00

Examination Fee \$15.00

Amendment to call signs/details in SMART \$25.00

Special Event Callsign \$25.00

Secondary Call sign application or One letter Callsign \$50.00

NZART INFORMATION

NZART Address: Suite 9 19 Main Street Upper Hutt. P O Box 40 525 Upper Hutt 5140.

Ph: 04 939 2189, Fax: 04 9392190

Office Hours: 9am – 1pm Monday to Friday

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Frequency Co-ordinator: Doug

Ingham ZL2TAR

PO Box 40-525 Upper Hutt 5140

Email: <fmtag@nzart.org.nz>

Local Government Liaison Officer:

Mike Newman; MD ZLIBNB

E-mail: <localgovt@nzart.org.nz>

Address: 30 Nikau Street, Wanganui

Phone: 06 344 6830

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Len Martinson ZL1BYA

E-mail: <MS@nzart.org.nz>

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Phone: 07 524 5477

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E-mail: <iaru@nzart.org.nz>

Jamie Pye ZL2NN

E-mail: <jamiep@clear.net.nz>

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E-mail: <reciprocal@nzart.org.nz>

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E-mail: <peter.lake@xtra.co.nz>

Peter Norden ZL2SJ R 3 Beacon

Coordinator

E-mail: <zl2sj@nzart.org.nz>

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Barry Stewart ZL2RR

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P O Box 857, Wanganui

Stolen Equipment Register:

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E-mail: <stolen@nzart.org.nz>

25 Annandale Street, New Plymouth

Phone: 06 758-2156 or 021 630 427

VHF/UHF/SHF Records Co-ordinator:

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Address: 115A Epuni St, Lower Hutt

Phone: 04 569-9932

E-mail: <vhfrecords@nzart.org.nz>

NZART Web Master

Jamie Pye ZL2NN

E-mail: <webmaster@nzart.org.nz>

Phone: 04 528 9693

NZART Headquarters

Visitors welcome.

Hours 9am – 1pm

Suite 9, 19 Main Street, Upper Hutt

Business Manager

Debby Morgan ZL2TDM

Phone: 04 939 2189

Fax: 04 939 2190

Email: <nzart@nzart.org.nz>

Postal: P.O. Box 40-525, Upper Hutt 5140

NZART Subscriptions 08/09

T Transmitting	\$95.00
A Associate	\$95.00
B Branch	\$95.00
N Non-Transmitting	\$95.00
F Family (Transmitting +)	\$30.00
G Family Non-Transmitting	\$30.00
S Student	\$45.00
O Overseas (No GST)	\$95.00
O Overseas Airmail	\$110.00

Break-In Editor:

J. R. L. Walker ZL3IB

The Official Journal of the New Zealand Association of Radio Transmitters (Inc.)
Published bi-monthly.

All articles and letters to the Editor:

E-mail: <editor@nzart.org.nz>

Editor

Break-In

PO Box 1733

Christchurch 8015

CHANGE OF ADDRESS or DELIVERY PROBLEMS

Advise the Business Manager

PO Box 40-525, Upper Hutt 5140

Official Broadcast

J. A. Meachen ZL2BHF

E-mail: <z16a@nzart.org.nz>

The monthly NZART Official Broadcast is made by ZL6A, AUCKLAND 3900kHz LSB on the last Sunday of each month except December, when the broadcast is made on the Sunday before Christmas.

The broadcast is also made on the National System and some VHF repeaters.

The time of the broadcast is 2000 hours. A repeat broadcast is made at 2100 hours. Members and Branches are welcome to submit material to ZL2BHF, C/- NZART Headquarters, PO Box 40-525, Upper Hutt 5140 for inclusion in the broadcasts.

Conference Official Broadcast

The Official Conference Broadcast is held on the Sunday of Queen's Birthday Weekend at 2000 hours.

PRESIDENTS

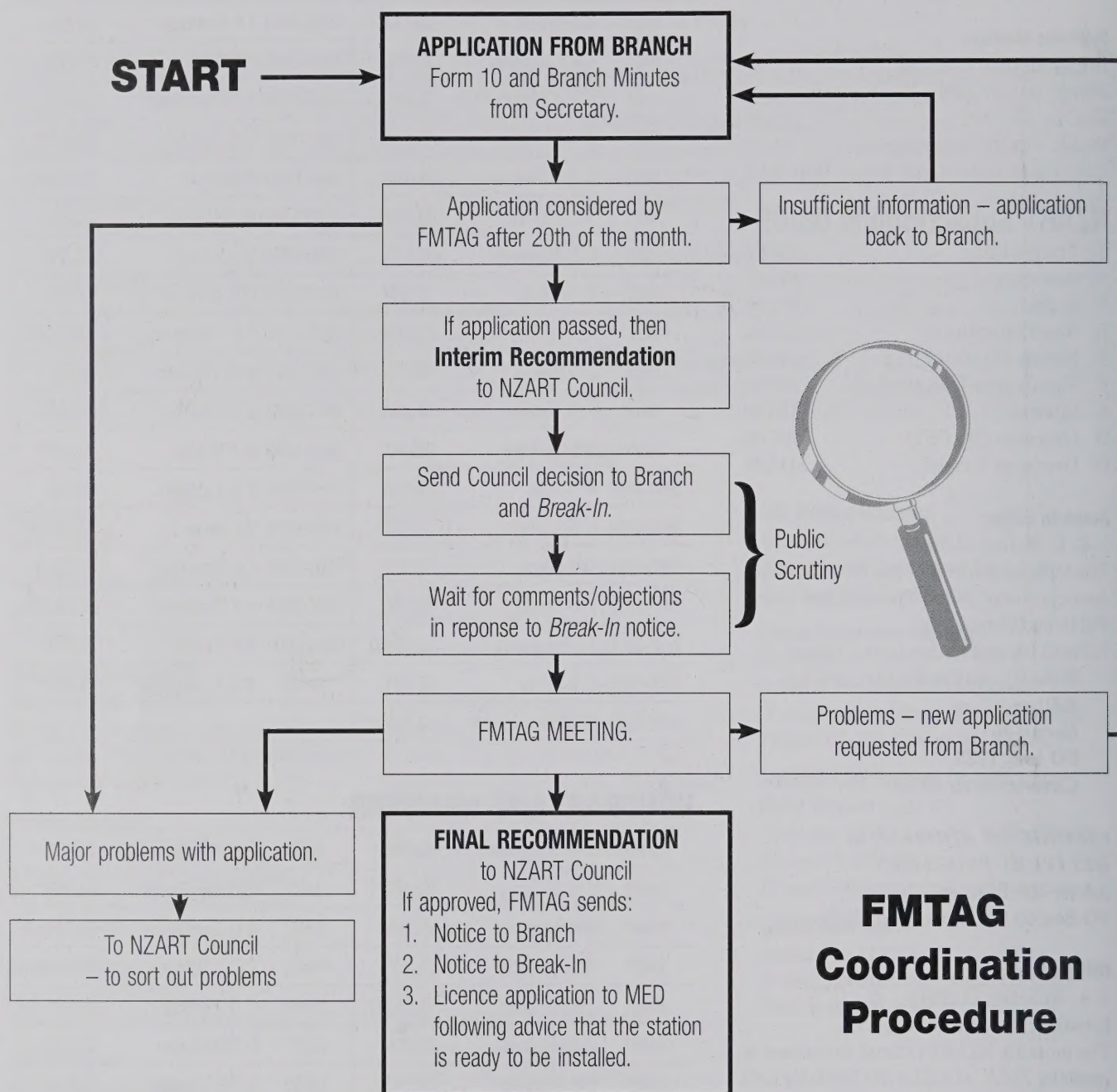
1926-1927	E A Shrimpton	Z2XA	1953-1955	R H Hanley	ZL2GU
1928	R J Orbell	OZ1AX	1955-1958	H F Arnold	ZL3HA
1929	R J Orbell	ZL1AX	1958-1960	J F Freeman	ZL1VA
1930	T R Clarkson	ZL1FQ	1960-1962	G M Salt	ZL1CK
1931	H P V Brown	ZL3CG	1962-1964	R T Woodfield	ZL2VN
1932	D Wilkinson	ZL2AB	1964-1966	C G Liddell	ZL3ND
1933	N W Laugesen	ZL3AS	1966-1969	H Burton	ZL2APC
1934	W G Collett	ZL4BP	1969-1970	W R Hamer	ZL2CD
1935	C N Edwards	ZL1AA	1970-1972	D A Lloyd	ZL4PG
1936	W M Hall	ZL2BF	1972-1973	D E Cleland	ZL1IY
1937	R B Dodds	ZL4FK	1973-1974	J F C Johnson	ZL2AMJ
1938	L G Petrie	ZL2OV	1974-1977	W D Gorman	ZL2IY
1939	F W Sellens	ZL2MY	1977-1983	A G Godfrey	ZL1HV
1940	B E Jackson	ZL2FJ	1983-1985	D J Mckay	ZL3RW
1941-1942	W Fouhy	ZL2LB	1985-1991	T D Carrell	ZL3QL
1943-1944	C G Liddell	ZL2BI	1991-1992	T C King	ZL2AKW
1945-1946	E B Lough	ZL2OG	1992-1997	J A Meachen	ZL2BHF
1947-1949	C G Liddell	ZL2BI	1997-2001	A J Wallace	ZL1AMW
1949-1950	J F Freeman	ZL2AFB	2001-2005	A P Norden	ZL2SJ
1950-1951	C T Berry	ZL2BY	2005-	W L B Douglas	ZL2WP
1951-1953	W J Wainwright	ZL3LI			

HONORARY LIFE MEMBERS

1934*	N W Laugesen	ZL3AS	1980*	F R W Andrews	ZL2IJ
1943*	F W Sellens	ZL2MY	1982	G C Blackwell	ZL3NT
1946*	W Fouhy	ZL2LB	1983*	A G Godfrey	ZL1HV
1947*	W D Gorman	ZL2IY	1985	J F C Johnson	ZL2AMJ
1948*	J F Freeman	ZL2AFB	1986*	C W Parton	ZL3CP
1948*	G McB. Salt	ZL1CK	1987*	D Wilkinson	ZL2AB
1948*	T R Clarkson	ZL2AZ	1989*	R S H Morgan	ZL2GQ
1949*	A F Leader		1990	G A Kilpatrick	ZL1BBS
1950*	W M Hall	ZL2BH	1992*	D J MacKay	ZL3RW
1950*	Mrs W Hall		1992	R L Baldwin	W1RU
1953*	R Cassey	ZL2IQ	1996	R W G Kingston	ZL4MK
1954*	J G Howard	ZL4FR	1998	R N Copeland	ZL2AKV
1961*	J M White	ZL2GX	2000	J A Meachen	ZL2BHF
1964*	H F Arnold	ZL3HA	2000	T D Carrell	ZL3QL
1966*	C G Liddell	ZL3ND	2002	G E Bold	ZL1AN
1972*	M R O Montgomery		2004	R E Knowles	ZL1BAD
1975*	A R Harris	ZL4CA	2005	J C Pye	ZL2NN

*Denotes deceased

FMTAG PROCEDURE



FREQUENCY MANAGEMENT TECHNICAL ADVISORY GROUP (FMTAG)

FMTAG consists of:

Chairperson, Secretary and others as appointed by NZART Council. The purpose and actions of the FMTAG are:

- Study and report to Council on matters affecting amateur radio frequencies.

- Plan future use of amateur bands
- Select frequencies for Amateur Fixed Stations
- Maintain a register of Amateur Fixed Stations
- Assists in preparing drafts for Council including submissions when needed, to the Ministry of

Economic Development (Radio Spectrum Division) on behalf of the Amateur Service prior to each major ITU meeting or conference

- Band plans are developed by the FMTAG based on IARU recommendations, local requirements, and

submitted to NZART Council for approval. Application Forms for repeaters and beacons can be obtained from a NZART Councillor, NZART HQ or email your request to <fmtag@nzart.org.nz>.

Prepared by FMTAG MAY 2000

Video Tape Library

Cost of hire for each video is \$5.00 including P & P.

- 1) **All China RDF Competition**
A serious 30-minute look at Amateur Radio Direction Finding – an official sport in China.
- 2) **The Happy Flyers Techniques of RDF**
A 26-minute audio-visual presentation of the theory and techniques for VHF Radio Direction Finding.
- 3) **The Aerial Circus with Dud Charman G6CJ**
45 minutes. Verification of the theory of the operations of a variety of VHF and HF antennas. See the theory confirmed by means of scale model antennas.
- 4) **Amateur Radio's Newest Frontier**
30 minutes. A recent production from ARRL. Looks at the Radio Amateurs' involvement in space.
- 5) **NAREC 50**
A 60-minute production by Branch 25. Looks at the Napier Conference and the 50th Anniversary of AREC.
- 6) **Communications – The Hidden Revolution**
135 minutes. An address and demonstration by the Engineer-in-Chief, New Zealand Post Office, on modern communications techniques and methods.
- 7) **The Integration and Launch of AMSAT OSCAR-10**
35 minutes. A preview of the presentation and launch of OSCAR-10 by Werner Haus ZJ4KQ.
- 8) **The Wonderful Wide World of Amateur Radio**
27 minutes. Produced by JARL. A look at Amateur Radio in Japan.
- 9) **W. (Bill) Orr W6SAI Whakatane Conference Opening June 1988**
20 minutes.
- 10) **1987 Dayton Hamvention – A KGØP Production**
30 minutes.
- 11) **ARRL's New World of Amateur Radio 1988**
Via WA6AI.
- 12) **W6AI Sunday 05/06/1988**
Lecture on Linear Amplifiers.
- 13) **Component Identification – ZL1TOF**
18 minutes.
- 14) **Launch of Ariane IV 15/06/1988**
- 15) **RSGB's Amateur Radio for Beginners**
43 minutes.
- 16) **Waiting for the Big One**
- 17) **Fuji-2 JAS-1**
Japanese Amateur Satellite 1B.
- 18) **Ham Radio In Space**
30 minutes. ARRL.
- 19) **SAREX – Shuttle Amateur Radio Experiment**
19 minutes. ARRL.
- 20) **"More Than Radios" from Zman Productions**
This video is a very special message to Amateur Radio Operators. It is a strong emotional video and not like any other video you have seen about Amateur Radio.

- 21) **Getting Started in Packet Radio**
From CQ Communications Inc. This video will help de-mystify the exciting but sometimes confusing world of Packet Radio.
- 22) **Dayton Hamvention 1966**
Vaughan Henderson ZLITGC.
- 23) **DXpedition May 1996 to Raoul Island – ZL8RI**
- 24) **What's Happening in ARDF**
7 minutes.
- 25) **ZL3CI – Campbell Island 1999 – James Brookes 9V1YC** 60 minutes. Further copies of this can be purchased at \$35.00 plus P & P through <jamesb@pacific.net.sg>.
- 26) **An Interview with Gerald Beattie – June 21, 1989**
28 minutes.
- 27) **NZART Amateur Television Official Broadcast March 30, 1986**
- 28) **NZART 75th Anniversary Conference Auckland 2001**
- 29) **Commemoration at Musick Point 2003**
- 30) **ZL2AMJ Investiture at Government House August 2002**
- 31) **The Secret Wireless War (new)**
120 minutes. Beyond Bletchley Park and Black Propaganda

CD-ROMS for Hire

Costs for hire of each CD-ROM is \$6.00 including

- 1) **Bell-Goyder QSO October 18, 1924**
- 2) **513A IOTA Yambe Island DXpedition, July 1-10, 2000**
- 3) **NZART 75th Anniversary Conference**
- 4) **Otago Branch History (1923–2003) 75th**
- 5) **NZ WARO History (1962–2002)**
- 6) **The Story of Enigma**
not recommended for Branch use.

ARRL Ham Software Library

- 1) **Ham Radio CD Rom 1968–1976**
- 2) **Ham Radio CD Rom 1977–1983**
- 3) **Ham Radio CD Rom 1984–1990**
- 4) **Tune in the Universe—Paul Shuch N6TX**
- 5) **Ham Shack Brass Pounders & Rag Chewers on CD**
- 6) **NZART Convention 2006 Radio Astronomy**
by Clive Rowe
- 7) **NZART Convention 2006 Time & Frequency**
by Dave Brown ZL3FJ
- 8) **NZART Convention 2006 How Sound Card Digital Modes Work**
ZL1BPU

AREC OFFICERS

AREC Officers 2008-2009

<i>E.Call</i>			<i>Call</i>	<i>Home</i>	<i>Work/Mobile</i>	<i>Deputy</i>	<i>Call</i>	<i>Home</i>	<i>Work/Mobile</i>
ZK6EX	National Director	Jeff Sayer	ZL4JS	(06) 370-1245	(027) 450-8022	Geoff Chapman	ZL3PX	(03) 942-8180	(027) 432-6907
ZK6EXS	National Secretary	Doug Cooke	ZL1TTE	(09) 846-6075	(027) 497-8121				
ZK1EX	Area ManagerZL1	Richard Gamble	ZL1BNQ	(09) 537-1238	(021) 729-270	Jim Rowe	ZL1AVR	(07) 868-9193	(027) 235-7266
ZK8EX	Area ManagerZL2	John Valdwyn	ZL4JY	(04) 478-3222	(04) 499-6000	Terry Waghorn	ZL2AYY	(06) 306-8926	(027) 488-7271
ZK9EX	Area ManagerZL3	Gareth Bradshaw	ZL3VP	(03) 332-2406	(027) 432-4738	Paul Rennie	ZL2RE	(03) 578-5311	(027) 458-9740
ZK4EX	Area ManagerZL4	Russ Watson	ZL4JW	(03) 441-9374	(027) 432-3062	Bill Olsen	ZL4AE	(03) 455-7884	(027) 436-9107
ZK6EX	Land SAR Liason	Jeff Sayer	ZL4JS	(06) 370-1245	(027) 450-8022				
ZK6EXT	Nat.Training Officer	Daniel Ayers	ZL1DFA	(021) 387-334	(021) 387-334				

AREC Section Leaders and Deputies

<i>E.Call</i>	<i>Section</i>	<i>Section Leader</i>	<i>Call</i>	<i>Home</i>	<i>Work/Mobile</i>	<i>Deputy Leader</i>	<i>Call</i>	<i>Home</i>	<i>Work/Mobile</i>
ZK1EA	Auckland	Leith Jackson	ZL1TCJ	(09) 528-5217	(027) 493-4668	Steve Miller	ZL1FS	(09) 528-5756	(027) 446-8116
ZK1EB	North Shore	Nick Emery	ZL1BOP	(09) 473-6579	(021) 045-5762	Alan Wooller	ZL1AUW	(09) 444-2423	
ZK1EC	Hamilton	Tony Case	ZL1UD	(07) 850-5218	(027) 661-0828	David Nation	ZL1TCE	(07) 843-0108	(027) 474-3292
ZK1EG	Northland	Brian Winger	ZL1BSW	(09) 438-3862	(027) 491-3888	Don Ewen	ZL1DTE	(09) 432-0185	(027) 451-9940
ZK1EI	Thames	Jim Rowe	ZL1AVR	(07) 868-9193	(027) 235-7266	Mary Sutton	ZL1UHZ	(07) 868-7290	(021) 185-7250
ZK1EJ	Tauranga ECG	Don Spackman	ZL1MK	(07) 543-2730	(021) 066-3380	Alison Ede	ZL1PD	(07) 573-3994	(027) 451-9693
ZK1EK	Western Suburbs	Ross Reddell	ZL1VRR	(09) 629-0504	(027) 622-1055	Merv Thomas	ZL1SK	(09) 828-7174	(027) 499-0262
ZK1EM	Eastern B.O.P.	Alan McDonald	ZL1PI	(07) 308-7740	(027) 604-8844	Don Croll	ZL1TBP	(07) 308-7699	
ZK1EN	Franklin	Bob Holt	ZL1BBZ	(09) 235-9549	(027) 200-0331	Colin Shuker	ZL3CJS	(09) 239-2635	(027) 493-1025
ZK1EO	Kawerau	Barry Liddle	ZL1CAY	(07) 323-8970	(021) 223-2901	Bob Krause	ZL1TMK	(07) 323-8560	
ZK1EQ	Rotorua	Peter Dare	ZL1PJ	(07) 345-6469	(07) 343-5883	Murray Thompson	ZL1SY	(07) 348-9741	
ZK1ES	Papakura	Richard Gamble	ZL1BNQ	(09) 537-1238	(021) 729-270	David Karrasch	ZL1DK	(09) 298-5271	(021) 560-180
ZK1EU	Manukau	Ivan Lindsay	ZL1AMR	(09) 272-8295		Granville Emmett	ZL1BYD	(09) 273-2673	
ZK1EV	Te Puke	John Hutton	ZL2GV	(07) 542-1159	(027) 542-1159	Ray Brown	ZL1RAB	(07) 573-8511	
ZK1EW	Rodney	Mike Ryan	ZL2MR	(09) 425-4401	(027) 213-4929	Bruce Rowlings	ZL1WB	(09) 436-0673	
ZK4EA	Otago	Lindsey Ross	ZL4KS	(03) 488-2191	(021) 116-1686	Martin Balch	ZL4JH	(03) 454-3262	(027) 437-5242
ZK4EB	E. Southland	Alastair Allan	ZL4AO	(03) 432-1914	(027) 432-1914	Lindsay Eunson	ZL4LC	(03) 206-4587	(027) 432-5136
ZK4ED	Balclutha	John Blair	ZL4AM	(03) 415-7849		Russell Bennett	ZL3GM	(03) 417-7411	
ZK4EE	Centr.Otago	Russell Baird	ZL4DJ	(03) 448-9363		TBA			
ZK4EF	North Otago	Neil McLeod	ZL4SN	(03) 434-7253	(027) 334-7759	Gary Millar	ZL4TA	(03) 434-5993	(03) 434-5029
ZK4EG	Queenstown	TBA				Dave Allison	ZL2TSI	(03) 442-5258	
ZK6EC	Hibiscus Coast	Darryl Nielsen	ZL1TCH	(09) 402-5075		Roger Smith		(027) 471-4777	
ZK6EE	Auckland VHF Grp.	Laurie Mathews	ZL1ICU	(09) 634-5130	(027) 481-7463	Franc Dunhton	ZL1SLO	(09) 829-2003	(021) 396-381
ZK7ED	Sth Wairarapa	Neil Rait	ZL2BLM	(06) 308-9341		TBA			
ZK8EA	Gisborne	Alan Mackintosh	ZL2AOP	(06) 868-6267		Steve Main	ZL2RI	(06) 867-0001	(021) 186-0922
ZK8EB	New Plymouth	Jill O'Donnell	ZL2DBO	(06) 758-1429		Wayne Gaudin	ZL2VN	(06) 753-5800	(06) 753-6139
ZK8EC	Motueka	Robin Reeve	ZL2FZ	(03) 528-6868	(021) 634-993	Jim Jackson	ZL2BCG	(03) 528-8357	
ZK8ED	Wanganui	John Love	ZL2JEL	(06) 343-6769	(021) 160-2482	TBA			
ZK8EE	Hastings	Robert Wallace	ZL2SG	(06) 878-4993	(027) 434-4027	Warren Harris	ZL2AJ	(06) 844-6880	(021) 649-284
ZK8EF	Kapiti	Len Blackley	ZL2GO	(04) 904-7048	(021) 071-7114	Geoff Cooke	ZL2TGC	(04) 293-2627	(027) 244-1376
ZK8EG	Wellington VHF	John Valdwyn	ZL4JY	(04) 478-3222	(04) 499-6000	Jeff Sayer	ZL4JS	(06) 370-1245	(027) 450-8022
ZK8EH	Tararua District	Stephen Cooper	ZL2WAU	(06) 374-8288	(021) 548-288	Jim Edwards	ZL1UBE	(06) 374-7261	(021) 156-2524
ZK8EI	Manawatu	Hayden Sims	ZL2WD	(06) 357-8580		Len Inkpen	ZL2LI	(06) 357-1493	
ZK8EJ	Wairarapa	David Bray	ZL2BA	(06) 378-8288	(027) 449-5146	Gavin McNulty	ZL2VGB	(06) 377-3978	(027) 429-16105
ZK8EL	Upper Hutt	Maurice Vile	ZL2ADP	(04) 976-9022		Gavin Smith	ZL2ACT	(04) 970-8533	(027) 226-5719
ZK8EN	Nelson	Dave Scott	ZL2BCA	(03) 545-0237	(027) 446-4714	Brian Hawken	ZL2BJ	(03) 547-0382	(021) 230-9592
ZK8EO	Marlborough	Paul Rennie	ZL2RE	(03) 578-5311	(027) 458-9740	Ron Harris	ZL2BDD	(03) 575-7181	(021) 103-5143
ZK8EQ	Napier	Tony Wall	ZL2RZ	(06) 835-4424		John Lane	ZL2ARF	(06) 844-3266	(027) 246-3977
ZK8ES	Horowhenua	Kenneth Ireland	ZL2KI	(027) 444-9449	(021) 840-309	James Jones	ZL2USA	(06) 368-1122	(021) 763-939
ZK8ET	Titahi Bay	Brian Amies	ZL2AYF	(04) 232-6378	(04) 232-4954	TBA			
ZK8EW	Marton	Brian Purdie	ZL2ADL	(06) 329-3606	(027) 321-4470	Jim Vernon	ZL2BHX	(06) 388-1855	(027) 446-2628
ZK8EY	Hutt Valley	Bob Sewell	ZL2ASO	(04) 564-6929		Phill Lewton	ZL2HF	(04) 567-9354	
ZK9EA	Christchurch	Dudley Berry	ZL3GG	(03) 389-4718	(027) 436-4405	Steve Davis	ZL2UCX	(03) 348-0360	(027) 436-1796
ZK9EB	Westland	Graham Hay	ZL3WMM	(03) 768-9499	(021) 114-6840	Kevin O'Sullivan	ZL3ABY	(03) 768-7598	(027) 498-6435
ZK9EC	Sth.Canterbury	Glenn May	ZL3GL	(03) 686-0306	(027) 433-5022	David Hetherington	ZL3UDH	(03) 688-3619	(027) 687-6787
ZK9ED	Ashburton	Gordon Mattingley	ZL3AQ	(03) 308-8555		Robin Williams	ZL3REW	(03) 308-8880	(027) 405-0105
ZK9EG	Nth.Canterbury	Geoff Gillman	ZL3QR	(03) 313-7137	(027) 282-0861	Colin Rowe	ZL3COL	(03) 313-2303	(021) 257-9643

AREC records have been updated from the National Database. Any additions or omissions to AREC Secretary, P.O. Box 44-132, Pt Chevalier, Auckland
This is a list of active AREC sections based on 'Activity Reports' received by the AREC Secretary over a 18 month period. Correct as at 31st May 2008

BRANCHES AND MEMBERSHIP

A Policy Statement by Council (Revised 1996, second revision June 2005)

Members will be aware of the requirement in paragraph 7.3 of the Association Constitution that Branches must not admit to membership persons who hold an amateur station licence, but who are not members of the Association.

Over the years there have been attempts to repeal or modify these provisions, but successive National Conferences have made it quite clear that members will have none of it. The rationale for this Constitutional provision is that it provides at least one way in which non-members can be denied the privileges which membership of the Association brings. We cannot stop our non-member brethren enjoying some benefits – such as the negotiations the Association conducts with the licensing authorities, the use of repeaters, and the enjoyment of the benefits of which bandplans bring. Council is firmly of the view that it is unfair to those that do pay their subscriptions if the lot of non-members is made easier by the ready availability of member's privileges which the Association is, in fact, able to withhold. Further, the Association has to take into account the feelings of its many voluntary workers, who devote many hours to Association matters, and, in addition, pay their subscriptions as well. These persons have even greater cause to complain if the Association makes benefits available to non-members who do not contribute to these benefits by at least joining the Association and paying a subscription.

Branch Officers

It is disturbing to Council to find that some Branches not only fail to have regard to their Constitutional obligations by ensuring that licensed amateurs who are not Association members do not join the Branch. Some Branches also have as Branch Officers persons who are licensed amateurs but not members of the Association. This is clearly unconstitutional. If an Officer is not an Association member, but is a licensed amateur, then there is a breach of the Association Constitution. This should also be a breach of the

Branch Constitution - if it is not, the Branch Constitution is faulty and must be brought into line. (See the Association's Constitution – paragraph 7.3(c).)

Regrettably there are one or two branches that indulge in this fiction. The Branch attempts to evade its responsibilities to NZART, whether arising under paragraph 7.3 or otherwise, by purporting to distinguish between the local club and the NZART branch. This fiction ignores the realities, and is not acceptable. The reality is that the local club itself is the NZART branch, and the branch constitution must be changed to reflect this commitment to NZART if that is necessary. Any attempt (for that is all that it is) to circumvent the Association Constitution by resorting to this fiction is unfair to the local NZART members, other NZART members, and the Association itself.

Relationship between Branches and the Association

Sometimes, Branch members criticise these rules, often using catch phrases such as “breach of human rights”, or “interference with independent clubs”. These provisions of the Association Constitution are nothing of the sort. They are part of the contract that members make when they join the Association. By applying to become or by remaining an Association Branch, the Clubs or Branches surrender their independence to the extent required to conform to the Association's Constitution. Branches are expected to keep their houses in order; if they are not prepared to do this, then they should prepare to surrender their status as a Branch. There is nothing in the Human Rights Act to prevent the Association and its branches from discriminating between members and non-members.

Whose job is it to be the policeman?

The answer is – nobody's and everybody's. The Association's Constitution does not specifically charge Council or any Officer

with the task of enforcement. So long as we remain members, we are all parties to the contract represented by the constitution and we each individually have that responsibility. If a Branch is incorporated in its own right, then the branch in its corporate capacity also has that duty.

Hardship

Hardship is not a ground for failing to become an Association member. Association subscriptions can be remitted under paragraph 5.1(f) of the Association Constitution and Council will authorise this where there is genuine hardship. But Council's experience has been that the genuine hardship is rare indeed. Many claims of hardship over the years have been found not to be genuine. The member should initially make application to the General Secretary for this concession. If considered necessary Council might then discretely seek further information from the Branch. Council expects that there would be very few cases in the country at any one time. The privacy of the applicant is respected by ensuring that as few persons as possible within the Association are aware of the application.

In cases of hardship, subscriptions may be paid by monthly automatic payment. The applicant should discuss this option with the General Secretary.

Why are we telling you this now?

Council has never said anything else. But there are now some situations that create special problems for the Association.

The Association enters into contracts with private landowners, public corporations and State Owned Enterprises relating to right of entry to land for the siting of repeaters. These contracts recognise potential liabilities and require the Association as a condition of the contract to take public liability insurance, which could be up to \$2,000,000 or more. This insurance will be taken on terms that will extend to

protect both the Association and individual members. Naturally, the corporations we are dealing with take comfort in this insurance, as they know that while the insurance is in place the Association has the indemnities required to meet any claims. The reality is that to come within the Association's cover, individuals must be members. The Association has no intention of paying additional premiums to insure against the actions of non-members. If an individual incurs liability as agent of the Association, then that individual must be a member to take the benefit of any cover the Association arranges. The Association will not appoint non-members as its agents, as this would nullify the insurance cover.

As branches have responsibility with the Association for repeaters, Branch Officers are required to be Association members. This is no more than the Constitutional requirement. Because of these matters, Council will, in future, have to be more active in seeing that the Constitution is observed. As the appointment of repeater trustees is an Association matter, even if exercised through Branches, repeater trustees must also be members. This, likewise, is a necessary consequence of the provisions of the Constitution. Council, in future, will have to ensure that repeater trustees are Association members, not only because this is a Constitutional requirement, but also to ensure that the persons responsible for the operation of repeaters have adequate insurance cover to meet the requirements of our contracts with the public corporations.

Action

Take action now to ensure that your Branch complies with the Association Constitution. Your Councillor will help you with advice as required.

This policy statement was first published in the August 1990 Break-In. It is now reissued in a slightly revised form.

NZART Council February 1996

Second revision ZL1UD, ZL1DD, ZL2BHF June 20 2005

The Constitution of the New Zealand Association of Radio Transmitters Incorporated

is available from: The Business Manager, NZART, Freepost 3565, PO Box 40-525, Upper Hutt 5140
or NZART URL: <http://www.nzart.org.nz/nzart> nzart@nzart.org.nz

NZART BRANCH DIRECTORY

Alphabetical List of Branches

	Date of update		Date of update		Date of update		Date of update
01M Ashburton	2008	16C Horowhenua	2008	52C Northern Hawkes Bay	2006	60N Taupo	2008
02N Auckland	2008	79N Howick	2007	73N Northern Wairoa	2008	39N Tauranga	2008
66N Auckland VHF	2008	17N Huntly	2005	64S North Otago	2008	88N Tauranga ECG	2008
35S South Otago	2006	18C Hutt Valley	2008	72N Opotiki	2007	77N Te Aroha	2008
84N Bay of Islands	2007	19C Inglewood	2008	30S Otago	2008	40N Te Awamutu	2008
04N Cambridge	2007	76M Kaikoura		31C Pahiatua	2006	53N Te Puke	2008
15C Central Hawkes Bay	2006	69C Kapiti	2008	65N Papakura	2008	41N Thames	2008
61S Central Otago	2008	67N Kawerau	2008	54C Patea	2007	42C Titahi Bay	2008
05M Christchurch	2008	20C Manawatu	2008	75S Queenstown	2006	57N Tokoroa	2002
56M Christchurch West	2008	59N Mangakino	2006	83N Raglan	2007	63C Upper Hutt	2008
51N Eastern Bay of Plenty	2007	21N Manukau	2008	32C Rahu Coastal	2007	43N Waihi	2008
08S Eastern Southland	2008	22C Malborough	2008	62M Reefton-Buller	2006	81N Waikato VHF	2008
09C Egmont	2006	23C Marton	2007	71M Rodney	2008	45C Waimarino	2006
78N Far North	2007	44N Matamata	2008	33N Rotorua	2008	46C Wairarapa	2008
70C Feilding	2007	85N Mercury Bay	2004	34M South Canterbury	2008	47C Waitara	2005
10C Franklin	2008	24C Moteuka	2008	36M South Westland	2006	55N Waitomo	2008
11C Gisborne	2007	25C Napier	2008	24M Southern Wairarapa	2008	48C Wanganui	2008
12N Hamilton	2008	26C Nelson	2008	37S Southland	2008	50C Wellington	2008
13C Hastings-Havelock Nth	2008	27C New Plymouth	2008	86M Suburban	2008	74C Wellington VHF	2008
14C Hawera	2007	68M North Canterbury	2008	06C Tararua	2008	03N Western Suburbs	2008
58N Helensville	2007	29N North Shore	2008	38N Taumarunui	2008	49M Westland	2008
80N Hibiscus Coast	2008	CARDS	2008			28N Whangarei	2006

Letter after Branch number denotes electoral district - N=Northern, C=Central, M=Midland, S=Southern. *Italics* = Branches in recess.

Affiliated Branches: Canterbury Amateur Radio Development Society Inc (CARDS); Suburban Amateur Radio Club Inc.

01 Ashburton (Inc)

Branch Call-sign ZL3AF
Physical Address Aviation Museum, Seafeld Road, Ashburton
Postal Address 60 Beach Road, Hampstead, Ashburton, 7700
President Jim Nelson ZL3ND
Vice President Brian Rickard ZL3TJW
Secretary Mike Trump ZL3TPQ
Treasurer Robin Williams ZL3REW
Net Information 144.600 MHz on Mondays at 2030 hours
Contact Person Gordon Mattingley ZL3AQ
Contact Ph No (03) 308-8555
Meeting Information Second Monday each month (except December and January) at 1930 hours

02 Northern Auckland (Inc)

Branch Call-sign ZL1AA
Physical Address 400 St. Johns Rd, Kahimarama, Auckland 1071
Postal Address PO Box 18-003, Glen Innes, Auckland 1743
President Steve Miller ZL1FS
Secretary Bob Murphy ZL1AFU
Net Information 145.775 MHz repeater and on Mondays at 2000 hours and 3645 kHz on Mondays at 2100 hours
Contact Person Selwyn Ross ZL1BRC
Contact Ph No (09) 575-8847
Email <z11brc@nzart.org.nz>
Meeting Information Third Tuesday each month February to November at 1930 hours and AGM second Tuesday of December. Please check website for monthly meeting alterations for April to October.
Committee Meeting First Thursday each month (except January)
Web <www.qsl.net/zl1aa>
General Information Clubrooms open on Saturday mornings from 1000 hours

03 Western Suburbs Radio Club (Inc)

Branch Call-sign ZL1AC
Physical Address 3000 Great North Road New Lynn, Waitakere
Postal Address PO Box 15-122 New Lynn, Waitakere 0640
President Andrew Barnett ZL2ALW
Vice President Ross Reddell ZL1VRR
Net Information VHF 146.5250 simplex Wednesday at 1930 hr, HF 3623KHz +/- QRM Friday at 1930 hr
Contact Person Ross Reddell ZL1VRR
Contact Ph No (09) 629-0504
Email <ross.reddell@xtra.co.nz>
Meeting Information Second Monday of each month at 1930 hours except January
Committee Meeting Fourth Wednesday at club rooms at 1930 hours
Web <www.qsl.net/zl1ac>
General Information Branch 03 is dedicated to ATV, Contesting and AREC. The Club also runs an APRS digi, ZL1AC-1 on 144.550. Branch 03 extends a welcome to all hams to visit us on air or at the clubrooms.

04 Cambridge Radio Club

Branch Call-sign ZL1HP
Physical Address 22a Taylor Street, Cambridge
Postal Address PO Box 650, Cambridge
Contact Person Gary Stevens
Contact Ph No (07) 827-6474
Email <support@informatics.co.nz>
Meeting Information Every Tuesday at 1930 hours

05 Christchurch Amateur Radio Club (Inc)

Branch Call-sign ZL3AC
Physical Address 27 Galbraith Avenue, Avonside, Christchurch
Postal Address PO Box 1733, Christchurch 8015
President David Holland ZL2IC
Vice President Mike Barnes ZL3TMB
Secretary Rory Deans ZL3HB
Treasurer Richard Prattley ZL3UE
Net Information Canterbury 725 (if available, otherwise on 705 repeater) on Sundays at 2000 hours (except last Sunday of the month, Net after Official Broadcast)
Contact Person Rory Deans ZL3HB
Contact Ph No (03) 325-4181
Email rory1@xtra.co.nz
Meeting Information First Wednesday each month (February to December) at 1930 hours. "Social get-together" every Tuesday night 1930 hours until late (February to December)
Web <http://www.nzart.org.nz/branches/chch/branch05>
General Information Publications: Hamlinks - contact David Holland ZL2IC

06 Taranua District Radio Club (Inc)

Branch Call-sign ZL2IB
Physical Address Woodville Community Centre, Ross Street, Woodville
Postal Address C/- 24 York Street, Dannevirke 4930
President Jim Edwards ZL1UBF
Secretary Stephen Cooper ZL2WAU
Net Information Every Friday Night at 2000 hours on Wharite 146.650 MHz
Contact Person Stephen Cooper ZL2WAU or Tom Fleming ZL2TF
Contact Ph No (06) 374-8288 or (06) 376-7638
Email <rosewoodvilla@xnet.co.nz> or <t.j.fleming@paradise.net.nz>

Meeting Information Second Sunday of each month (except December and January) in the Supper Room at the Woodville Community Centre, Ross Street, Woodville at 1330hr

08 Eastern Southland

Branch Call-sign ZL4AL
Postal Address C/- PO Box 9, Wyndham
President Murray Giles ZL4MG
Secretary Lindsay Eunson ZL4LC
Net Information 3.695Mhz each Wednesday at 2030 hours
Contact Person Colin Robertson ZL4KJ
Contact Ph No (03) 208-5979
Email Lindsay Eunson linz.e@xtra.co.nz

Meeting Information 4th Wednesday each month at 2000 hours during NZDST, 4th Sunday at 1400 hours during NZST

09 Egmont

Branch Call-sign In recess

10 Franklin Amateur Radio Club (Inc)

Branch Call-sign ZL1SA
Physical Address Stadium Drive, Pukekohe
Postal Address C/- 25 John Street, Pukekohe 2120
President Tom McDonald ZL1TO
Secretary Lynnette McDonald ZL1LL

Net Information 3700 kHz on Sundays at 0900 and Ponga 7325 on Sundays at 0930

Contact Person Bob Holt ZL1BBZ
Contact Ph No (09) 235-9549

Email Lynnette McDonald <zl1ll@nzart.org.nz>

Meeting Information Third Tuesday each month at 2000 hours

11 Gisborne Amateur Radio Club (Inc)

Branch Call-sign ZL2AA
Physical Address Gisborne Cosmopolitan Club, Cnr Grey and Derby Sts, Gisborne
Postal Address PO Box 1017, Gisborne 4010
President Ric Coleman ZL2RIC
Secretary Ric Coleman ZL2RIC
Net Information 146.8 MHz every evening from 1800 hours IRLP Node 6105
Contact Person Alan Makintosh ZL2AOP
Contact Ph No (06) 868-6267
Email <ricol@xtra.co.nz>

Meeting Information General meeting second Monday each month at 1900 hours

Committee Meeting Committee meets at private houses

12 Hamilton Amateur Radio Club (Inc)

Branch Call-sign ZL1UX
Physical Address 88 Seddon Road, Hamilton
Postal Address PO Box 606, Hamilton 3240
President Robin Holdsworth ZL1IC
Secretary David King ZL1DGK
Net Information 3575 kHz on Mondays at 1930 hours and 146.525 MHz on Tuesdays at 2000 hours
Contact Person David King ZL1DGK
Contact Ph No (07) 847-1320
Email <branch.12@nzart.org.nz>

Meeting Information General Meeting third Wednesday of each month (except December and January) at 1930 hours

Committee Meeting Business Meeting first Wednesday at 1930 hours
Web <http://zl1ux.tripod.com>

13 Hastings-Havelock North

Branch Call-sign ZL2AS and ZL2QS
Physical Address Surf Lifesaving Club Rooms, Windsor Park, Grove Road, Hastings
Postal Address C/- PO Box 2403, Stortford Lodge, Hastings 4153
President Warren Harris ZL2AJ
Secretary David Walker ZL2DW
Net Information 3615 kHz and 147.250 MHz Repeater on Sundays at 0900 hours
Contact Person Warren Harris ZL2AJ
Contact Ph No 0800 219 284
Email <warren@technaserve.com> or <david@apexradiocoms.co.nz>

Meeting Information Fourth Wednesday each month (except December) at 1930 hours at Surf Lifesaving Club Rooms, Grove Road, Hastings (Splash Planet car park)

14 Hawera Amateur Radio Club

Branch Call-sign Absorbed into South Taranaki, Branch 87

15 Central Hawkes Bay

Branch Call-sign In Recess

16 Horowhenua

Branch Call-sign ZL2DS
Postal Address C/- 2 Oslo Place, Levin
President Kenneth Ireland ZL2KI
Secretary James Jones ZL2USA
Net Information 3720 kHz on Wednesdays at 2030 hours and 147,575 Simplex on Sundays at 0900 hours
Contact Person Kenneth Ireland ZL2KI
Contact Ph No 027 444 9449
Email <zl2ki@nzart.org.nz>

Meeting Information Third Monday each month at 1930 hours

17 Huntly Radio Club

Branch Call-sign ZL1BL
Physical Address 520 Kainui Road, Taupiri.
Postal Address 195 Rotongaro Road, RD 2 Huntley
President Terry East ZL1BGS
Secretary Jim Williams ZL1BOS
Contact Person Terry East
Contact Ph No (07) 826-6730 or (07) 824-6805
Email <granteast1@thenet.net.nz>

Meeting Information Second Tuesday at 1930 hours at 520 Kaunui Rd, Taupiri

Committee Meeting 3655 kHz and 146.550 MHz on Sundays at 0900 hours

18 Hutt Valley (Inc)

Branch Call-sign ZL2HV
Physical Address Off Birch St, Philip Evans Reserve, Waterloo, Lower Hutt
Postal Address PO Box 30-519, Lower Hutt
President Barry Warner ZL2HO
Secretary Chris Purcell ZL2POS
Net Information 3675 kHz on Sundays at 0900
Contact Person President Barry Warner ZL2HO
Contact Ph No (04) 566-5829
Email <warnerba@xtra.co.nz>

Meeting Information First Monday each month at 1930 (except for June which is on 2nd Monday for AGM). Also every Friday at 1930 (informal)

Web <<http://www.zl2hv.wellington.net.nz>>

19 Inglewood

Branch Call-sign ZL2PT
Physical Address 1778 Mountain Road, RD 10, Inglewood 4390
Postal Address 1778 Mountain Road, RD 10, Inglewood 4390
President Peter Cramer ZL2AIS
Secretary Tarry Martin ZL2KV
Net Information In conjunction with New Plymouth Branch 27 on 720 Repeater on Wednesday at 2000 hours
Contact Person Peter Cramer ZL2AIS
Contact Ph No (06) 756-7314
Meeting Information As required

20 Manawatu Amateur Radio Society (Inc)

Branch Call-sign ZL2KO
Physical Address 65 Totara Road, Palmerston North 4412
Postal Address PO Box 1718, Palmerston North
President Allan Chandler ZL2SKY
Net Information 3570 kHz on Sundays at 0900 hours and 147.125 MHz on Thursdays at 2000 hours
Contact Person Stan Russell ZL2BRS
Contact Ph No (06) 358-6683
Meeting Information First Wednesday each month at 1930 hours, fourth Wednesday 1400 for "Old Timers", fifth Wednesday at 1930 hours social "natta session"
Committee Meeting Third Wednesday at 1930 hours
Web <<http://www.zl2ko.org.nz>>

21 Manukau

Branch Call-sign ZL1QB
Physical Address 8 Guide Place, Papatoetoe
Postal Address 8 Guide Place, Papatoetoe 1701
President Jim Paltridge ZL1JW
Secretary R. Blair ZL1WNZ
Net Information 3655 kHz and 146.550 MHz on Sundays at 0900 hours
Contact Person Jim Paltridge ZL1JW
Contact Ph No (09) 278-3389
Meeting Information General meeting third Wednesday each month at 1930 hours. Day meeting second Monday each month at 1000 hours. Construction night fourth Wednesday at 1930 hours
Committee Meeting First Wednesday each month at 1930 hours

22 Marlborough Amateur Radio Club (Inc)

Branch Call-sign ZL2KS
Physical Address Marlborough EOC, Wither Road (West Extension) Blenheim
Postal Address PO Box 432, Blenheim 7315
President Ian McKercher ZL2IDM
Secretary Tony Allan ZL2DOG
Net Information Blenheim 146.950, 145.600 and 147.225 on Mondays at 1930 hours, 144.150 USB on Wednesdays at 1930 hours and 3.575 MHz on Fridays at 1930 hours
Contact Person Tony Allan
Contact Ph No (03) 579-3136
Email <zl2dog@nzart.org.nz>
Meeting Information Second Thursday, Social Group third Thursday of each month
Committee Meeting Fourth Thursday of each month
Web <www.zl2ks.com>
General Information Blenheim 146.950, 145.600 and 147.225 is now linked to Golden Bay 147.375

23 Marton and Districts (Inc)

Branch Call-sign ZL2AMS
Physical Address Marton Civil Defence HQ (back of Public Library Building), High Street, Marton
Postal Address C/- 358 State Highway 3, Bulls
President Mike Beer ZL2TMB
Secretary Marie Stewart ZL2VMS
Net Information Taihape 6775 repeater on Sundays at 2000 hours
Contact Person Mike Beer ZL2TMB
Contact Ph No (06) 327-6611
Meeting Information Fourth Wednesday each month, (as required)

24 Motueka (Inc)

Branch Call-sign ZL2GK
Physical Address S.A.R. room, Motueka Police Station, High Street
Postal Address PO Box 218, Motueka 7161
President Geoff Goodger ZL2VBO
Secretary Barry Davenport ZL2LN
Contact Person Steve Fogerty ZL2ASF
Contact Ph No (03) 528-9366
Meeting Information First Monday each month 1930 hours at SAR room, Motueka Police Station (Check with contact person)

25 Napier Amateur Radio Club (Inc)

Branch Call-sign ZL2GT
Physical Address 123 Latham Street, Marewa, Napier 4001
Postal Address 54A Auckland Road, Greenmeadows, Napier 4112
President Laurie Winton ZL2TC
Secretary Stan White ZL2ST
Net Information 3615 kHz and Napier 7250 on Sundays at 0900 hours.
Contact Person Laurie Winton ZL2TC
Contact Ph No (06) 843-8519
Meeting Information First Wednesday each month at 1930 hours at Clubrooms (except January)

26 Nelson Amateur Radio Club

Branch Call-sign ZL2ARG
Postal Address PO Box 414, Nelson 7040
President Brian Houghton ZL3BCO (03) 545-7096
Vice President Bob Peters ZL2RP (03) 544 0288
Secretary Andrew Mackie ZL2HZ (03) 547-0659
Email <zl2hz@xtra.co.nz>
Treasurer Andrew Mackie ZL2HZ
 (03) 547-0659, <zl2hz@xtra.co.nz>
Net Information Sundays 3890 kHz at 0900 hours
Contact Person Brian Houghton ZL3BCO, <zl3bco@gmail.com>
Contact Ph No Number: (03) 545-7096
Meeting Information Third Wednesday (Feb to Nov) at 1930 hours in the Nelson Car Club rooms, Bolt Road, Tahunanui, Nelson
Committee Meeting First Wednesday of the month. Venue TBA.
Web <<http://www.nzart.org.nz/nzart/branches/nelson/About%20us.htm>>
General Information Enquiries about amateur radio examinations and assistance with tuition call Dave ZL2BCA or Topsy ZL2LS (03)545 0237 or 027 446 4714.
 <scott@tasman.net>

27 New Plymouth Amateur Radio Club (Inc)

Physical Address Taranaki Emergency Management Office, 45 Robe Street, New Plymouth
Postal Address C/- Taranaki Emergency Management Office, 45 Robe Street, New Plymouth
President Frank Hunt ZL2BR
Secretary Joe Willan ZL2BIT
Net Information Wednesday at 2000 hours on 147.200 MHz repeater.
Contact Person Greg Banks (06) 751-3271 or Roy Symon
Email <zl2kh@nzart.org.nz>
Contact Ph No (06) 751-3271
Meeting Information Third Tuesday (February to November) second Tuesday in December

28 Whangarei Amateur Radio Club (Inc)

Branch Call-sign ZL1AM
Physical Address Heritage Park, State Highway 14, Maunu, Whangarei
Postal Address PO Box 10-078, Te Mai, Whangarei 0143
President Charlie Moates ZL1DAC
Secretary Trevor Gould ZL1KAG
Net Information VHF 146.650 MHz on Mondays at 2000 hours. HF 3600 kHz on Sundays at 0800 hours. CW improvers 3580 kHz Tuesdays at 2000 hours
Contact Person Charlie Moates ZL1DAC
Contact Ph No (09) 434-7292
Email <zl1dac@nzart.org.nz>
Meeting Information First Wednesday each month at 1930 hours. Informal gatherings at the clubroom every Wednesday at 1700 hours

29 North Shore Amateur Radio Club (Inc)

Branch Call-sign ZL1AB
Physical Address Civil Defence HQ, 400 East Coast Road, Mairangi Bay, North Shore
Postal Address CD HQ, 400 East Coast Road, Mairangi Bay, North Shore 0630
President Vaughan Henderson ZL1TGC
Secretary Alan Wooller ZL1AUW
Net Information 147.425 MHz on Wednesdays at 1930 hours
Contact Person Vaughan Henderson ZL1TGC
Contact Ph No (09) 418-1071
Email <vaughanh@www.co.nz>
Meeting Information First Monday in the month (except June - 2nd Monday)
Web <www.zl1ab.4free.co.nz>

30 Otago (Inc)

Branch Call-sign ZL4AA
Physical Address 109 Macandrew Road, South Dunedin, Dunedin
Postal Address PO Box 5485, Moray Place, Dunedin
President Arthur Curline ZL4TIK
Vice President Alan Widen ZL4FM
Secretary Ross Chapman ZL4RC
Treasurer Bob Smith ZL4OC
Net Information Dunedin 690 on Sundays at 1930 hours (except late December and early January)
Contact Person Ross Chapman ZL4RC
Contact Ph No (03) 487-6825 or 027 481-6260
Email <zl4rc@slingshot.co.nz>
Meeting Information Each Wednesday (except late December and early January) at 1930 hours
Committee Meeting Second Wednesday of the month at 1930 hours
Web <www.zl4aa.org.nz>
General Information Inaugural meeting 9th August 1928

31 Pahiataua

Branch Call-sign In Recess, refer to Branch 06

32 Rahotu Coastal Inc Opunake Radio Club

Branch Call-sign Absorbed into South Taranaki, Branch 87
Net Information 3583 kHz on Mondays at 2000 hours and Kuriwao 675 on

33 Rotorua Amateur Radio Club (Inc)

Branch Call-sign ZL1ROT
Physical Address Rotorua Watersports Centre, 1 Mataiwhera Street, Rotorua 3010
Postal Address 27 Lucas Place, Rotorua 3010
President Rene de Wit ZL1RDW
Secretary Graeme Bramwell ZL1GBB
Net Information <www.rotorua.net.nz>
Contact Person Graeme Bramwell ZL1GBB
Contact Ph No (07) 349-6617
Email <zl1rot@nzart.org.nz>
Meeting Information General Meeting 3rd Tuesday each month, Technical Meeting 1st Tuesday each month at 1930 hours

34 South Canterbury

Branch Call-sign ZL3UR
Physical Address Model Engineers clubrooms, corner Rose and Catherine Streets, Timaru
Postal Address C/- PO Box 261 Timaru
President Harold Gibbs ZL3MU
Secretary David Hetherington ZL3UDH
Net Information Timaru 6625 on Wednesdays at 1500 hours
Contact Person Harold Gibbs ZL3MU
Contact Ph No (03) 688-8526
Email <thehs@xtra.co.nz>
Meeting Information Last Monday of each month (except December) at 1930 hours

35 South Otago

Branch Call-sign ZL4JF
Physical Address Main South Road, Balclutha.
Postal Address C/- Cliff Gray, Stony Creek RD 2, Balclutha 9272
President Ron Blair ZL4TL
Secretary Cliff Gray ZL4AS
Net Information 3583 kHz on Mondays at 2000 hours and Kuriwao 675 on Mondays at 1930 hours
Contact Person Cliff Gray
Contact Ph No (03) 418-1488
Email <zl4as@nzart.org.nz>
Meeting Information First Tuesday of even months, plus March and November at 2000 hours

36 South Westland

Branch Call-sign In recess

37 Southland (Inc)

Branch Call-sign ZL4GQ
Physical Address 249 Eitrick Street, Invercargill
Postal Address PO Box 1260, Invercargill 9840
President Crosby Stewart ZL4CHS
Secretary Owen Baird ZL4OB
Net Information 146.800 on Sunday at 2000 hours
Contact Person Crosby Stewart ZL4CHS
Contact Ph No (03) 216-3060
Email <o.baird@xtra.co.nz>
Meeting Information Second Tuesday of each month (except January) at 1930 hours
General Information AREC Meeting 1st Tuesday of each month at 1930 hours

38 Taumarunui

Physical Address 293 Taupo Road, Taumarunui
Postal Address 293 Taupo Road, Taumarunui
President L Palmer ZL1TIG
Secretary T Hardisty ZL1UTH
Contact Person T Hardisty ZL1UTH
Contact Ph No (07) 896-8113
Email <hardisty@orcon.net.nz>

39 Tauranga

Branch Call-sign ZL1TP
Physical Address Tauranga Coast Guard HQ, Sulphur Point Marina, Tauranga
Postal Address 67 St Andrews Drive, Bethlehem, Tauranga 3110
President John Cullen ZL1BVA
Secretary Phil Price ZL1GI
Net Information 3600 kHz on Sundays at 0900 hours. 438.850 MHz on Monday at 0900 hours. On Wednesdays 146.800 MHz at 2030 hours
Contact Person Brian Heywood ZL1IE.
Contact Ph No (07) 543-3677
Email <zl1ie@nzart.org.nz>
Meeting Information Second Thursday each month (except January) at 1930 hours

40 Te Awamutu Amateur Radio Club

Branch Call-sign ZL1CB
Physical Address 550 Kane St, Pirongia 3802
Postal Address C/- 550 Kane St, Pirongia 3802
President Bernard Westerbaan ZL1WT, 38 Whittaker Street, Kihikihi 3800
Secretary Biny Owen ZL2AZY, 550 Kane St, Pirongia 3802
Net Information 3700+/- kHz on Thursdays at 2000 hours
Contact Person Bernard Westerbaan ZL1WT
Contact Ph No (07) 871-7039
Email <zl1wt@slingshot.co.nz>
Meeting Information Third Wednesday every 2nd month

41 Thames

Branch Call-sign ZL1DF
Physical Address 146 Maramarahi Road, RD1, Thames
Postal Address 146 Maramarahi Road, RD1, Thames
President Ken Hayhurst ZL1ATU
Secretary David Kitchen ZL1CDJ
Net Information 3850kHz and 145.700 MHz on Sundays at 0900 hours.
Contact Person Ken Hayhurst ZL1ATU
Contact Ph No (07) 868-7330
Email <k.hayhurst@xtra.co.nz>
Meeting Information Quarterly 2nd Tuesday (February, May, August, and November) at Thames Civil Defence Rooms, Mackey Street, Thames

42 Titahi Bay Amateur Radio Club (Inc)

Branch Call-sign ZL2AFV
Physical Address Tireti Hall, corner Tireti Road and TePene Avenue, Titahi
Postal Address PO Box 50-402, Porirua
President Ken Pattle ZL2TKY
Secretary Don Robertson ZL2TYR
Net Information 3710 kHz on Sundays at 2000 hours
Contact Person Don Robertson ZL2TYR
Contact Ph No (04) 234-1556
Email <zl2afv@hotmail.com>
Meeting Information First Tuesday most months at 1930 hours (ring contact to check)
Committee Meeting February and July

43 Waihi and Districts

Branch Call-sign ZL1QW
Physical Address Williams Street, Waihi
Postal Address 3 Cuba Street, Waihi 3610
President R. Boggiss ZL1RB
Secretary D. Bell, ZL1AKV Treasurer: D. McGuire ZL3DM
Contact Person David Bell
Contact Ph No (07) 863-9369
Email <zechamile@yahoo.com.au>
Meeting Information First Sunday each month (except January) at 1230 hours for lunch, meeting at 1300. Ring Secretary for location.

44 Matamata Radio Club

Branch Call-sign ZL1RF
Physical Address 65 Smith Street, Matamata
Postal Address 65 Smith Street, Matamata
Contact Person John Rasmussen ZL1AGA
Contact Ph No (07) 888-8269 (Night)

NZART Affiliate Canterbury Amateur Radio Development Society (Inc). (CARDS)

Branch Call-sign ZL3CAR
Postal Address PO Box 21-188, Edgeware, Christchurch 8030
President Mike Stubberfield ZL3MJS
Vice President Mike Barnes ZL3TMB
Secretary Lorna Allan ZL3AAZ
Treasurer Mark Sullivan ZL3AB
Contact Person Lorna Allan ZL3AAZ.
Contact Ph No (03) 313-5352
Email <lorna.allan@getrheel.co.nz>
Meeting Information Third Wednesday of each month (except January) 1930 hours at the Branch 56 Clubrooms, Auburn Park, Christchurch

45 Waimarino

Branch Call-sign In recess

46 Wairarapa Amateur Radio Club (Inc)

Branch Call-sign ZL2OA
Physical Address Hood Aerodrome, Manaia Road, Masterton
Postal Address PO Box 860, Masterton 5900
President Robert Lambert ZL2BFY
Secretary Ian Stewart ZL2TIS
Net Information Masterton 680 on Mondays at 2000 hours except meeting nights and January
Contact Person Ian Stewart ZL2TIS.
Contact Ph No (06) 377-0713
Email <zl2tis@orcon.net.nz>
Meeting Information Second Monday each month (except January) at 1930 hours

47 Waitara Amateur Radio Club

Branch Call-sign ZL2TO
Physical Address Manukorihi Park Sports Club, Manukorihi Road, Waitara
Postal Address C/- L Smart 48 Leslie St., Waitara 4656
President Ian Cash ZL2BRA
Secretary Larry Smart ZL2SM
Contact Person Larry Smart ZL2SM.
Contact Ph No Larry Smart ZL2SM.
Meeting Information First Sunday each month (except January). Where a Statutory Holiday falls on a Monday the meeting is deferred one week

48 Wanganui Amateur Radio Society (Inc)

Branch Call-sign ZL2JA
Physical Address Stalkers and Hunters Hall, 100 Peat Street, Wanganui
Postal Address C/- 1 Caversham Road, Wanganui 4501
President Jim Allen ZL2KR
Vice President Jason Wallace ZL2KR
Secretary Jeff Howe ZL2THO
Treasurer Barry Stewart ZL2RR
Net Information Each Tuesday 2000 hours on 146.900 MHz (Wanganui 690)
Contact Person Jeff Howe ZL2THO
Contact Ph No (06) 344-4302
Email <howejef@clear.net.nz>
Meeting Information First non-public holiday Monday each month (except January and July) at 1930 hours

49 Westland

Branch Call-sign ZL3GY
Postal Address 37 Chapel Street, Greymouth
President Bob McQuarrie ZL3TY
Secretary Graham Hay ZL3WMM
Net Information Westland 695 to contact club members
Contact Person Graham Hay ZL3WMM
Contact Ph No (03) 768-9499
Email <zl3wmm@nzart.org.nz>
Meeting Information First Wednesday each month (except January) at 1930 hours. Meeting held at Electronet Services, Tainui St. Building, Greymouth

50 Wellington Amateur Radio Club (Inc)

Branch Call-sign ZL2WB
Physical Address WEMO Building, corner Murphy and Turnbull Streets, Thorndon, Wellington
Postal Address PO Box 6464, Marion Square, Wellington 6141
President Chairman: Doug McNeill ZL2AOV
Secretary Trevor King ZL2AKW
Net Information 7050 kHz on Sundays at 0930 hours
Contact Person Tony Fletcher ZL2ALJ
Contact Ph No (04) 383-8838.
Email <zl2alj@paradise.net.nz>
Meeting Information Third Tuesday each month (except December) at 1930 hours
General Information Information on Quartz Hill Contest Station ZL6QH see Web: <www.zl6qh.com>

51 Eastern Bay of Plenty

Branch Call-sign ZL1WK
Physical Address Waiewe Street, Hillcrest, Whakatane
Postal Address C/- Bevan Schwass, 23 Mokorua Grove, Whakatane 3120
President Murray Evans ZL1SZ
Secretary Bevan Schwass ZL1MJ
Net Information 147.300 MHz on Mondays at 1930 hours
Contact Person Murray Evans ZL1SZ.
Contact Ph No (07) 308-8409
Email <BevanSchwass@xtra.co.nz>
Meeting Information Second Wednesday each month (except January) at 1930 hours

52 Northern Hawkes Bay

Branch Call-sign In recess

53 Te Puke Amateur Radio Club (Inc)

Branch Call-sign ZL1IB
Physical Address C/- Te Puke Holiday Park, 2122 State Highway 2, Te Puke
Postal Address C/- S. J. Rowe, 223 State Highway 33, RD9, Te Puke 3189
President A. Moffat ZL1MOF
Secretary Syd Rowe ZL1LWR
Treasurer Syd Rowe ZL1LWR
Net Information 3702 kHz at 0830 hours on Sundays, 438.850 MHz on Mondays at 0900 hours
Contact Person Syd Rowe ZL1LWR
Contact Ph No (07) 533-1029
Email <syd.rowe@orcon.net.nz>
Meeting Information 2nd Saturday each month at 1330 hours
General Information Clubrooms open every Saturday at 1330 hours

54 Patea

Branch Call-sign Absorbed into South Taranaki, Branch 87

55 Waitomo Radio Club

Branch Call-sign ZL1IZ
Physical Address Thomson Avenue, Otorohanga
Postal Address C/- 3/49 Hinewai Street, Otorohanga 2564
President Andrew Leadey ZL4SQ
Secretary Ihian Howitt ZL1BZ
Net Information Waitomo 7375 or 7225 on Sundays at 0900 hours
Contact Person Ihian Howitt ZL1BZ
Contact Ph No (07) 873-7349
Email <ihian@clear.net.nz>
Meeting Information At members homes, contact Secretary for details

56 Christchurch West Amateur Radio Club (Inc)

Branch Call-sign ZL3VV
Physical Address Auburn Park, Upper Riccarton
Postal Address C/- PO Box 31-095, Ilam, Christchurch 8444
President Mark Garshaltion ZL3BA
Secretary John Walker ZL3IB
Email <zl3ib@nzart.org.nz>
Net Information 147.050 MHz each Sunday at 2000 hours
Contact Person Des Borgfeldt ZL3ACS
Contact Ph No (03) 980-9705
Email <borgfeldt@xtra.co.nz>
Meeting Information Fourth Tuesday of each month (except December) at 1930 hours. "Free n Easy" second Wednesday each month (except January) at 1330 hours
Web <www.radioamateurs.org.nz>

57 Tokoroa (Inc)

Branch Call-sign ZL1AQR
Postal Address PO Box 325, Tokoroa 2392
President E C Penwarden ZL1TDV
Secretary B M Williamson ZL1BYO
Contact Person B M Williamson
Contact Ph No (07) 886-7675
Meeting Information Third Monday (Bi-monthly)

58 Helensville

Branch Call-sign In recess

59 Mangakino

Branch Call-sign In recess

60 Taupo Amateur Radio Club

Branch Call-sign ZL1BCO
Physical Address Hickling Park, A.C. Baths Avenue, Taupo
Postal Address C/- PO Box 58, Taupo 3351
President Kelvin Brookings ZL1KU
Vice President Roger Simmonds ZL1UTW
Secretary Graeme Frederick ZL1BU
Treasurer Peter Aurisch ZL2UEW
Net Information Taupo 675 on Mondays at 2000 hours
Contact Person Graeme Frederick ZL1BU
Contact Ph No (07) 378-0553. Cell 021 295 6023
Email <zl1bu@nzart.org.nz>
Meeting Information First Thursday of each month at 1930 hours at Club Rooms
Web <www.reap.org.nz/~zl1bco/>

61 Central Otago

Branch Call-sign ZL4OO
Physical Address Alexandra Fire Station
Postal Address C/- Brian Skeet, 1RD Dunstan Road, Alexandra
President John Lochhead ZL4QS
Secretary Brian Skeet ZL4PN
Contact Person Brian Skeet ZL4PN
Contact Ph No (03) 448-7245
Meeting Information Fourth Thursday each month (except July and December) at 2000 hours at Alexandra Fire Station

62 Reefton-Buller

Branch Call-sign ZL3RBC
Physical Address 148 Torea Street, Granity, Buller
Postal Address 148 Torea Street, Granity, Buller
President Robert Duncan
Secretary Graham Hunter ZL2USB
Contact Person Graham Hunter ZL2USB
Contact Ph No Graham Hunter
Email <purpleperson@xtra.co.nz>
Meeting Information Second Thursday each second month (beginning May)

63 Upper Hutt (Inc)

Branch Call-sign ZL2VH
Physical Address Rural Fire Station, Park Street, Upper Hutt
Postal Address PO Box 48130, Silverstream, Upper Hutt 5142
President Mark Gooding ZL2UFI
Secretary Chris Mills ZL4COM
Net Information 3715 kHz Tuesdays 2000 hours UTC
Contact Person Mark Gooding ZL2UFI
Contact Ph No (04) 526-8446
Email <mark@foxtrot.co.nz>
Meeting Information Every Friday night at 1930 hours NZT
Web www.zl2vh.org.nz
General Information IRLP Node 6931 on Climie 730

64 North Otago

Branch Call-sign ZL4OU
Physical Address Civil Defence Headquarters, Severn Street, Oamaru
Postal Address Branch 64, 18A Arun Street, Oamaru
President Daniel Moffat ZL4DBM
Secretary Gary Millar ZL4TA
Treasurer Denis Browne ZL4DB
Net Information 3895 kHz Tuesdays at 1930 hours
Contact Person Alan Naish ZL4RB
Contact Ph No (03) 434-6363
Email <naishs@callsouth.net.nz>
Meeting Information Second Monday each month (except January) at 1930 hours, Civil Defence Headquarters, Severn Street

65 Papakura Radio Club (Inc)

Branch Call-sign ZL1VK
Physical Address Wellington Park, 1R Great South Road, Papakura
Postal Address PO Box 72397, Papakura 2244
President David Karrasch ZL1DK
Vice President John Balsillie ZL1ALZ
Secretary Ian Ashley ZL1AOX
Treasurer David Wilkins ZL1MR
Net Information 147.325 MHz on Sundays at 0830 hours and 3755 kHz on Sundays at 0900 hours
Contact Person David Karrasch ZL1DK
Contact Ph No (09) 296-3180 or (09) 298-5271
Email <prc@ihug.co.nz>
Meeting Information General Meeting first Wednesday each month at 1930 hours. Projects evening second Wednesday at 1930 hours. Day meeting fourth Wednesday at 1330 hours. Any 5th Wednesday AREC meeting at 1930
Committee Meeting Third Wednesday of each month.
Web <www.qsl.net/zl1vk>
General Information Morse Examination administrator: Dave Johnston. ZL1AMN (09) 298-9297

66 Auckland VHF Group (Inc)

Branch Call-sign ZL1BQ
Physical Address Arthur Faulkner Reserve, Hazel Avenue, Mt Roskill, Auckland
Postal Address AKL VHF Group Inc, PO Box 10138, Dominion Road, Auckland 1030
President John Dunn ZL1JD
Secretary Marlene Mathews
Net Information 146.625 and 439.875 repeaters, Sundays 2015 hours
Contact Person John Dunn ZL1JD
Contact Ph No (09) 473-9514
Email <john.dunn@clear.net.nz>
Meeting Information Second Monday of the month at 1930 hours
Committee Meeting Last Monday of the month, 1930 hours at the clubrooms. AGM November
Web <www.qsl.net/zl1bq>
General Information Monthly Journal: Spectrum

67 Kawerau

Branch Call-sign ZL1KW
Physical Address Meetings held in members homes, confirm venue with Secretary
Postal Address C/- 34 Cobham Drive, Kawerau 3127
Secretary Bev Osborne ZL1OS
Net Information Edgecumbe repeater every Tuesday at 1930 hours.
Contact Person Bob Krause ZL1TMK.
Contact Ph No (07) 323-8560
Email <krause@quicksilver.net.nz>
Meeting Information Third Tuesday each month at 1930 hours (except December). Confirm venue with Secretary

68 North Canterbury Amateur Radio Club (Inc)

Branch Call-sign ZL3RR
Physical Address Woodend Youth Centre, Woodend - Rangiora Road, Woodend
Postal Address PO Box 14, Woodend 7160, North Canterbury
President Tony Buckland ZL3HAM
Secretary Colin Rowe ZL3COL
Net Information 6975 repeater, following the 725 net at approximately 2015 hours on Sundays and 3605 kHz on the Tuesday prior to the Branch meeting at 2030 hours.
Contact Person Colin Rowe ZL3COL
Contact Ph No (03) 313-2303
Email <colingr@xtra.co.nz>
Meeting Information Second Thursday of each month (except January) at 1930 hours
General Information Monthly Newsletter: "Ragchew"

69 Kapiti Amateur Radio Society (Inc)

Branch Call-sign ZL2KB
Physical Address Cnr Aorangi Road and Tutanekai Street, Paraparaumu
Postal Address C/- Bill Cox, 5A Konini Grove, Raumati Beach 5032
President Kevin Henderson ZL2DUS
Secretary Bill Cox ZL2BIL
Net Information Kapiti 146.85 MHz on Sundays at 1930 hours.
Contact Person Bill Cox
Contact Ph No (04) 902-2630 (home)
Meeting Information First Wednesday each month 2000 hours. Clubrooms open every Saturday from 0930 hours until 1030 hours. Make and mend evenings at clubrooms on the first and third Mondays of each month between 1930 hours and 2100 hours.
Committee Meeting Second Wednesday at 1930 hours

70 Fielding Radio Club

Branch Call-sign ZL2AMR
Physical Address In recess

71 Rodney Amateur Radio Club (Inc)

Branch Call-sign ZL1ROD
Physical Address Mahurangi Technical Institute, 11 Glenmore Drive, Warkworth
Postal Address PO Box 587 Warkworth 1241
President Cec Tunnicliffe ZL2BCB
Secretary John Smart ZL1BEY
Treasurer Paul Sole ZL1VPS
Net Information VHF 147.300 MHz Thursdays at 1930 hours. HF 3.710 MHz Mondays at 1930 hours.
Contact Person John Smart ZL1BEY, Call Book QTH.
Contact Ph No (09) 423-9129
Meeting Information Second Saturday each month at 1000 hours (except December First Saturday, January no meeting) at the Mahurangi Technical Institute

72 Opotiki Amateur Radio Club (Inc)

Branch Call-sign ZL1BY
Postal Address C/- 138 Wellington Street, Opotiki 3092
President Jim Jones ZL1JRJ
Secretary Jane Lake ZL1ONE
Email <jlake@wave.co.nz>
Contact Person Steve Winder ZL1ACE
Contact Ph No (07) 315-7333
Meeting Information Bi-monthly first Monday (March, May, July, September and November) at 1900 hours at the rear of St Stephen's Church

73 Northern Wairoa Electronics Club

Branch Call-sign In Recess
Contact Person Peter Aikin ZL1TX

74 Wellington VHF Group (Inc)

Branch Call-sign ZL2WA
Physical Address Tawa Community Centre, Cambridge Street, Tawa
Postal Address PO Box 12 -259, Thorndon, Wellington
President Brian Fearnley ZL2BRF
Secretary Mark Foster ZL1VMF
Net Information 710 repeater on Wednesdays at 2000 hours
Contact Person Mark Foster ZL1VMF
Contact Ph No (04) 970-3985
Email <z12wa@clear.net.nz>
Meeting Information Last Thursday each month (except December) at 1945 hours

75 Queenstown

Branch Call-sign In recess

76 Kaikoura

Postal Address 42 Churchill Street, Kaikoura 8280
President H. G. H. Bryant ZL3GB
Secretary R. J. Godfrey ZL3DR
Net Information Kaikoura 690 on Saturdays at 1930 hours.
Contact Person Bill Jackson ZL3PZ.
Contact Ph No (03) 319-5981, Fax: (03) 319-7081
Meeting Information Meetings held as required

77 Te Aroha and Districts Radio Club

Branch Call-sign In recess

78 Far North Districts Amateur Radio Club (Inc)

Branch Call-sign ZL1FND
Physical Address Queen St, Awanui
Postal Address PO Box 4, Awanui 0441
President Bob Banks ZL1AUI
Secretary Russell Shackleton ZL1BQK
Net Information Far North 710 on Mondays at 1900 hours.
Contact Person Eric Manning ZL1GE.
Contact Ph No (09) 406-7059
Email <ericos@kol.co.nz>
Meeting Information Meetings held as required

79 Howick and Districts Radio Club (Inc)

Branch Call-sign In recess

80 Hibiscus Coast Amateur Radio Club (Inc)

Branch Call-sign ZL1FU
Physical Address 479/1 Whangaparaoa Road, Whangaparaoa 0932
Postal Address 479/1 Whangaparaoa Road, Whangaparaoa 0932
President David Wadham ZL1WD
Secretary John Bell ZL1FB
Net Information 3810 kHz on Sundays at 0800 hours. 147.300 MHz repeater with Branch 71 Thursdays at 1930 hours
Contact Person John Bell 34 Layton Road, Whangaparaoa 0930
Contact Ph No (09) 424 5725
Email <jandpbell@clear.net.nz>
Meeting Information Third Wednesday each month (AGM second Wednesday in December) at 1930 hours

81 Waikato VHF Group (Inc)

Branch Call-sign ZL1IS
Physical Address C/- 64 Sunnyhills Avenue, Glenview, Hamilton, 3206
Postal Address PO Box 606, Waikato Mail Centre, Hamilton, 3240
President Alan Wallace ZL1AMW
Secretary Gavin Petrie ZL1GWP
Net Information Waikato 695 on Sundays at 2045
Contact Person Gavin Petrie ZL1GWP
Contact Ph No (07) 843-0326
Email <z11gwp@nzart.org.nz>
Meeting Information Last Sunday (February, May, August and November) at 1330 hours, listen to Sunday Net for details.

82 Southern Wairarapa Amateur Radio Club

Branch Call-sign ZL2SWR
Physical Address St Johns Hall, Featherston
Postal Address 38 Bell St, Featherston
President Neil Rait ZL2BLM
Secretary Peter Norden ZL2SJ
Contact Person Peter Norden ZL2SJ
Contact Ph No (06) 308-6970
Email <z12sj@nzart.org.nz>

83 Raglan Amateur Radio Club

Branch Call-sign ZL1CCT
Physical Address 25 Bay View Road, Raglan
Postal Address 25 Bay View Road, Raglan 2051
President Jack Sanders ZL1AUV
Secretary Fred Gilbert ZL1FG
Net Information Saturdays 3608 kHz at 0830 hours, 7088 if conditions dictate.
Contact Person Fred Gilbert
Email <z11fg@ihug.co.nz>
Contact Ph No (07) 825-8018

84 Bay of Islands Amateur Radio Club (Inc)

Branch Call-sign ZL1BOI
Physical Address Rainbow Falls Road, RD2, Kerikeri
Postal Address 61 Pungaere Road, RD2, Kerikeri 0295
President I Wilson ZL1CBD
Secretary B E Wing ZL1AVW
Contact Person D Cottle ZL1HH or B Wing ZL1AVW
Contact Ph No (09) 407-9086
Email <twowings@xtra.co.nz>
Meeting Information Meetings are held as required

85 Mercury Bay (Inc)

Branch Call-sign ZL1MBB
Physical Address No branch update has been received since 2004, may be in recess

86 Suburban Amateur Radio Club (Inc)

Branch Call-sign ZL1ZLD, ZL1ZLF
Physical Address Musick Memorial Radio Station, 20 Musick Point Road, Bucklands Beach, Auckland
Postal Address C/- PO Box 163060, Lynfield, Auckland
President Ian Walker ZL1BFB
Secretary Ann Walker ZL1TRH
Contact Person Ian Walker ZL1BFB
Contact Ph No (09) 626-7188 or Mobile 027 441-1820
Email <zl1bfb@xtra.co.nz>
Meeting Information Second Sunday each month 1300 hours at Musick Memorial Radio Station, 20 Musick Point Road, Bucklands Beach, Auckland
Web via NZART website

87 South Taranaki (Inc)

Branch Call-sign ZL2QF
Postal Address C/- 54 Murray Avenue, Hawera
President Noel Barry ZL2HL
Secretary Graeme Bateman ZL2BHD
Net Information 705 repeater on Sundays 2000 hours
Contact Person Graeme Bateman ZL2BHD
Contact Ph No (06) 278-4793
Email <gfbateman@clear.net.nz>
Meeting Information 4th Monday of each month (except January) at 1930 hours at South Taranaki District Council Recreation Rooms, High St, Hawera. During winter months some meetings held in members lounges, check with secretary.

88 Tauranga Emergency Communications Group (Inc)

Branch Call-sign ZL1TEC
Physical Address Emergency Management Office, WBOPDC, Barks Corner Tauranga
Postal Address 5 Graham Place, Bellevue, Tauranga 3110
President Brian Heywood ZL1IE
Vice President Don Spackman ZL1MK
Secretary Gordon Cooper ZL1KL
Treasurer Bill Richardson ZL1APD
Contact Person Brian Heywood ZL1IE
Contact Ph No (07) 543-3677
Email <brian@eol.co.nz>
Meeting Information Third Thursday of each month, except December, 7.30pm at the Clubrooms, EMOOffice, Barks Corner.
Committee Meeting combined with Branch Meeting

Affiliated Branches

Canterbury Amateur Radio Development Society (Inc)

Branch Call-sign ZL3CAR
Postal Address PO Box 21-188, Edgeware, Christchurch 8030
President Mike Stubberfield ZL3MJS
Vice President Mike Barnes ZL3TMB
Secretary Lorna Allan ZL3AAZ
Treasurer Mark Sullivan ZL3AB
Contact Person Lorna Allan ZL3AAZ
Contact Ph No (03) 313-5352
Email <lorna.allan@getrheel.co.nz>
Meeting Information Third Wednesday of each month (except January) 1930 hours at the Branch 56 Clubrooms, Auburn Park, Christchurch.

Note: All times are New Zealand local time unless otherwise started.

A Responsibility for all Radio Amateurs!

The amateur radio qualification is an achievable challenge for most people and is useful to career seekers in our technological world. It shows aptitude, a sincere interest in communications, and identifies an achiever. Which can give a jump over others in this competitive world. The late 1940s was a time with a wave of new entrants into amateur radio. Let us all try to promote a return to that level of interest! The NZART Council encourages newcomers into Amateur Radio. This calls for the help of all radio amateurs. As a challenge to all of us, the NZART Council has adopted the expression, "The New Wave", to embrace initiatives and objectives which will encourage new entrants to the world of amateur radio.

The NZART Constitution in its object statement says: "The objects of the Association shall be the maintenance and expansion of the Amateur Service in New Zealand by:

- a) the encouragement of recruits into the Amateur Radio movement
- b) the provision of guidance and instruction in radio techniques and operating
- c) the promotion organisation and conduct of activities on a national and local basis ...",

These objects are further reflected in wording in the NZART Strategic Plan, in particular Objective 2, which states:

"To promote knowledge of amateur radio and encourage newcomers.

To assist Branches in local activities, especially in schools.

To provide education and training aids.

To award suitable prizes and other recognition."

And, in the plans of action:

"To publish information in Break-In, training materials and aids, educational and publicity material."

The NZART Strategic Plan Objective 3 states: "To provide guidance and instruction in radio techniques and operating, and encourage practical experimentation."

With your guidance and your help, others too can experience the thrills of Amateur Radio. Active encouragement and support are sought from all NZART members and Branches

to recruit newcomers and to run classes in preparation for the amateur radio examination. Branches are encouraged to actively promote Amateur Radio. Master copies of brochures, posters and other leaflets and publicity material are available to Branches free of charge, from NZART Headquarters.

A sticker is available to NZART members from NZART Headquarters for 50c each. This is for displaying in the rear window of vehicles to show your support in a national campaign to increase the awareness of Amateur Radio in the general population. Many computer users are unaware of amateur radio and what it has to offer. You are encouraged to widely advertise the NZART World Wide Web page, <<http://www.nzart.org.nz>>

Simple-to-construct equipment is a way to show youth groups and other interested persons the fun of Amateur Radio. Show how inexpensive home-construction brings delight and excitement from the achievement of communicating without wires over long distances using self-built gear. Articles from Break-In may be freely photocopied and distributed for this purpose. Do you know anyone who has shown interest in Amateur Radio? A youth or grandchild perhaps? Spread the word by demonstration! After passing the amateur radio examination, a call-sign that is unique world-wide is issued by the Ministry of Economic Development. The challenge to attain such an identifying callsign brings its own rewarding fun. A local "group project", with the challenge to interest newcomers to develop their own local on-air amateur radio net, is worthy of consideration and encouragement. Construction of receivers, transmitters and other projects under the guidance of experienced constructors at "club workshop nights" is a worthy Branch activity. Each Branch should appoint an "NZART Agent" as one of their executive, the task being to gain increases in NZART members, both Transmitting and Non-Transmitting, in their local areas. A national and concerted effort by all New Zealand Radio Amateurs to promote Amateur Radio is necessary to ensure the continuation of a healthy and vigorous Amateur Service.

Help bring the "The New Wave" of radio amateurs!

THE PROMOTION OF AMATEUR RADIO

Your work promoting AMATEUR RADIO is helped with this new STUDY GUIDE and sample TEST PAPERS

To help interested people become radio amateurs a **Study Guide** and sample **Test Papers** for the New Zealand Amateur Radio Examination are available:

1. The Study Guide and the TEST PAPERS are both available on one 3.5-inch diskette, packed in a gift folder, from NZART Headquarters. This is your chance to get computer-literate youngsters interested and involved in Amateur Radio! Send your name and Callsign with \$5 to NZART Headquarters with the name and the address of the person you wish to receive the Study Guide and Test Papers. A diskette and gift folder will be posted—with your compliments. You will be named on the gift folder. (Installation instructions are in a .txt file on the disk and printed inside the gift-folder.)
2. The Guide and the Test Papers can also be viewed and used on-line - by anyone. Visit the NZART web page: <<http://www.nzart.org.nz/nzart/Exam/index.html>> and follow the links.

<<http://www.nzart.org.nz/nzart/Exam/index.html>> and follow the links.

3. Both the Guide and the Test Papers can be downloaded in separate self-extracting files for installation on your own computer. Installation details are on the web page <<http://www.nzart.org.nz/nzart/Exam/index.html>>. Down loading is recommended, so these documents can be used at any time.

Please Note:

1. These documents can be used as a source of hand-out notes for Instructors at Radio Classes. "Copy and paste" can be used to copy material into a word processor then photocopied for class use, or whole pages can be printed off.
2. The Guide is NOT a replacement for the NZART Basic Radio Training Manual. The two support and complement each other.

NEW ZEALAND AMATEUR RADIO STATIONS

ZL1 CALL-SIGNS

ZL1A	Auckland Contest Club (ACC), C/- Jacques Calvo, 31 Raurenga Ave, Epsom, Auckland	ZL1ADC	Mr R G Meharry, 111 Clarkin Rd, Fairfield, Hamilton
ZL1AA	NZART Auckland Branch Inc, PO Box 18-003, Glen Innes, Auckland	ZL1ADE	Mr E J Duffy, 22 Duke St, Mt Roskill, Auckland
ZL1AB	North Shore Branch 29 NZART, C/- North Shore Civil Defence HQ, 400 East Coast Road, North Shore City 0630	ZL1ADG	Mr C W Hunt, 990/1 Bank St, Te Awamutu
ZL1AC	Western Suburbs Radio Club Inc, PO Box 15-122, New Lynn	ZL1ADI	Mr C A Rademacher, 2247 South Head Road, R D 1, Helensville
ZL1AD	Mr D J Blackett, 56 Church St, Northcote, Auckland 9	ZL1ADL	Mr D N Wilkins, 5 Ethel St, Sandringham
ZL1AE	Mr P W Croonen, 1071 Hazelmere Crescent, Te Awamutu	ZL1ADO	Mr J K Sullivan, 26 Karaka Park Place, St Heliers, Auckland 1005
ZL1AF	Mr I W Ogier, 32 Rangitane St, Palmerston North	ZL1ADP	Mr F J Medland, 11 The Lane, Medlands Bay, Great Barrier Island 1240
ZL1AG	Mr A K Giles-Pain, Address Withheld	ZL1ADS	Mr W J Tibbles, 19 Kotanui St, Army Bay, Whangaparaoa
ZL1AH	Mr J D Wightman, 99C Eighth Ave, Tauranga	ZL1ADT	Dr K R Orr, PO Box 95-151, Swanson, Auckland 1230
ZL1AI	Mr R G Badman, 146 Totara Drive, Pukete, Hamilton 2001	ZL1ADW	Mr B E Clark, 88 Lincoln Park Ave, Massey
ZL1AJ	Mr H F J Culloty, 316/1 Budden Rd, Pokuru R D 5, Te Awamutu	ZL1AEL	Mr J W Stanley, PO Box 525, Whangarei
ZL1AK	Mr B A Mitchell, PO Box 412, Matamata	ZL1AES	Mr Adrian Skipper, Macdonald Pearce Perniskie, PO Box 24, Gore
ZL1AL	Mr T J Benton, C/- 5 Wilton Street, Westown, New Plymouth	ZL1AET	Mr A E Tse, Address Withheld
ZL1AM	Whangarei Amateur Radio Club, PO Box 10-078, Te Mai, Whangarei	ZL1AFB	Mr J L Offord, 43 Queens Rd, New Plymouth
ZL1AN	Dr G E J Bold, 15 Kauri Rd, Birkenhead, Auckland 1310	ZL1AFD	Mr R Osborne, PO Box 2098, Tauranga
ZL1AO	Mr J N Allison, PO Box 79365, Royal Heights	ZL1AFE	Mr P De Renzy, Puketutu Rd, R D 2, Matamata
ZL1AP	Mr Joseph Den Exter, Address Withheld	ZL1AFF	Mr J Fleming, 43 Burns St, Leamington
ZL1AQ	Mr G C Rouse, 17 A Russleigh Drive, Dinsdale, Hamilton	ZL1AFM	Mr P R Bellamy, 36 Eton Rd, Hillsborough
ZL1AR	Mr J S Walsh, R D 1, Morrinsville	ZL1AFO	Mr Gerald Rogers, PO Box 79, Kaitia
ZL1AS	Mr R J Litten, 6 Trent Drive, Midlands Gardens, Paraparaumu	ZL1AFQ	Mr D A R Rosan, PO Box 65-147, Mairangi Bay, Auckland 1330
ZL1AT	Mr N P Redmond, 58 Tudor Road, Henderson, Waitakere	ZL1AFS	Mr T C M Cowley, 850 Beach Rd, Waiake, Auckland 10
ZL1AU	Mr P N Scouse, 17 Calluna Cres, Totara Heights, Manukau	ZL1AFT	Mr K Walker, 45 Apotu Road, R D 1, Kamo Whangarei
ZL1AV	Mr D T Tremayne, 147/149 Spencer Road, Lake Tarawera, R D 5, Rotorua	ZL1AFU	Mr R J Murphy, 19 Litten Rd, Howick, Auckland 1704
ZL1AW	Mr A N Walker, Crane Rd, R D 1, Kamo	ZL1AFV	Mr A R Boyce, 26 Shakespeare St, Cambridge
ZL1AX	Mr K F Stevens, 49 Vivian St, Burwood, Christchurch	ZL1AFX	Mr M R Kilsby, PO Box 733, Kunuunurra, WA
ZL1AY	Mr C W Allen, 106B Maxwell Road, Maramarua, R D 1, Pokeno 1872	ZL1AFY	Mr P J Coleman, 2A Kohe St, Riverside, Whangarei
ZL1AZ	Mr M A Brown, 24 Mason Ave, Pukekohe,	ZL1AFZ	Mr J P Mclean, Gorge Rd, R D 3, Pahiatua
ZL1AAQ	Mr W J Palmer, 27 Thomas Street, Tikipunga, Whangarei 0101	ZL1AGA	Mr J W Rasmussen, 65 Smith St, Matamata
ZL1AAR	Mr R G Rowe, 32 Manawa Rd, Remuera	ZL1AGC	Mr K M Passau, PO Box 444, Drury, Auckland
ZL1AAS	Mr A Scott, 25A Rodney St, Howick, Auckland	ZL1AGG	Mr P E Bycroft, 253 Shirley Rd, Papatoetoe, Auckland
ZL1AAU	Mr C B Elley, Unit 11, Waihi Hosp Retirement Village, Village Way, Waihi	ZL1AGL	Mrs Y H De Gruyter, 98 Maraetai Dve, Maraetai, Auckland
ZL1AAX	Mr G S Andrews, 352 A Maungatapu Road, Tauranga	ZL1AGN	Mr M H Campbell, Fencourt Rd, R D 1, Cambridge
ZL1ABC	Mr R R Biddle, C/O Wesley College, PO Box 58, Pukekohe 1800	ZL1AGP	Mrs H Horwood, 233 King St, Whakatane
ZL1ABG	Mrs B Garlick, 14/1 Cambria Street, Nelson	ZL1AGR	Mr J K Cotton, Villa 177 / Acacia Cove, 127 Wattle Farm Road, Wattle Downs Auckland 1702
ZL1ABI	Mr Herbert Baer, 51/8 Fynn Street, Birkdale, Auckland	ZL1AGS	Mr P E Collins, 185 Victoria St, Cambridge
ZL1ABL	Mr A J Dale, 61 Rodney St, Wellsford, Auckland 1242	ZL1AGT	Mr E R Taylor, 18 The Circle, Whangaparaoa, Auckland 1463
ZL1ABM	Mr M L G Humphrey, 1009 Tararu Rd, Thames	ZL1AGV	Mr L N Dixon, 18 Koru St, Mangere Bridge
ZL1ABN	Mr M J F Reay, 16 Priscilla Cres, Hamilton	ZL1AGW	Mr D F McDonald, Margaret Place, R D 1, Whitianga
ZL1ABP	Mr K L Rutter, 55 Ellis Avenue, Mt Roskill, Auckland 1004	ZL1AGY	Mr J A Easton, R D 9, Wheki Valley Hill, Whangarei
ZL1ABR	Mr B J Ward, 44 Cordylane Road, R D 5 Tuakau, Port Waikato	ZL1AGZ	Mr J D Delaney, 41 Birdwood Rd, Swanson
ZL1ABS	Mr M J Sheffield, 176 Albany Highway, Albany, Auckland	ZL1AHD	Mr M J Franklin, 138 Barrett Road, Rd3, Albany, Auckland
ZL1ABX	Mr J R Dukes, 102 Awaruku Rd, Torbay	ZL1AHK	Mr W Tester, 48 Pulham Rd, Warkworth
ZL1ABZ	Mr I Johnson, 15 Muirend Ave, Tokoroa	ZL1AHL	Mr G L Mclellan, 19 Kinder Place, Ngongotaha, Rotorua
ZL1ACD	Mr A H Coakley, 1 Clinton Ave, Te Atatu Peninsula, Auckland 1008	ZL1AHM	Mr A D Bell, 182 Ocean Rd, Ohope
ZL1ACE	Mr S P Winder, 138 Wellington St, Opatiki	ZL1AHO	Mr R J Sykes, 263 Shirley Rd, Papatoetoe, Auckland 1701
ZL1ACG	Mr E G Caldwell, 23 Clyma Place, Massey, Auckland 1008	ZL1AHP	Mr L S Greendale, PO Box 301, Pahia
ZL1ACH	Mr R J M Ten Velde, 8 Matipo Place, Tokoroa	ZL1AHT	Mr I D Buckland, 490 Coatesville Highway, R D 3, Albany 1331
ZL1ACJ	Mr R H Turner, 7 Keiss Street, Blenheim	ZL1AHW	Mr R P Hoban, 462 Kaitemako Rd, Welcome Bay R D 5, Tauranga
ZL1ACK	Mr R F Marshall, P O Box 41172, St Lukes, Auckland	ZL1AHX	Mr A M King, Unit 2/106 Victoria St, Onehunga, Auckland 6
ZL1ACM	Mr C J Mckenzie, 13 Solo Place, Manurewa, Manukau	ZL1AHZ	Mr B F Kidd, 18 Addison Rd, Onerahi, Parua Bay 0250
ZL1ACN	Mr D L Messent, 53 Russell Road, Huntly	ZL1AIA	Mrs M B Baylis, 1 Munro St, Onerahi, Whangarei
ZL1ACO	Mr H N Grusning, 2 Gordon Avenue, Te Aroha 2951	ZL1AIB	Mr N C Morris, PO Box 12357, Hamilton
ZL1ACS	Ken Clarke Radio Club, 11 Tait Street, Avondale, Auckland	ZL1AIF	Mr D M Reid, 123 McCoy Rd, R D 2, Opatiki 3092
ZL1ACT	Mr R N Miller, 72 Grattan Rd, Te Aroha	ZL1AIH	Mr R K F McCormack, 181 Ararimu Valley Rd, Waimauku, Auckland 1250
ZL1ACV	Mr D G L Twiss, PO Box 884, Taupo	ZL1AII	Mr I R Mcfarlane, 20 Hakarimata Rd, Ngaruawahia
ZL1ACX	Mr B W Rous, 56 Tamahere Drive, Glenfield	ZL1AIJ	Mr C B Blake, 4 Blackwell Drive, R D 1 Tryphena, Great Barrier Island
ZL1ACY	Mr C J Billing, 16 Dobell Rd, Stanmore Bay, Whangaparaoa 1463	ZL1AIK	Mr P J Lewis, 6 Tyburnia Avenue, Mt Albert, Auckland
ZL1ACZ	Mr B C Williams, M3 66 Avonleigh Rd, Green Bay, Auckland	ZL1AIM	Mr I M Morrison, 1520B State Highway 10, Kerikeri, R D 3, Bay Of Islands
ZL1ADA	Miss J R Wright, 28 Chorley Avenue, Massey, Auckland 1008	ZL1AIP	Mr T H Parker, 11A Albert Street, Paeroa
ZL1ADB	Mr P G E Ataya, 4204 Great North Rd, Henderson	ZL1AIR	Mr B E Armstrong, 24 Beach Rd, Mangonui 0557
		ZL1AIS	Mr R J Dyer, C/- 3 Tudor Rise, Whakatane, Bay Of Plenty
		ZL1AIX	Mr W J Robinson, Address Withheld
		ZL1AJB	Mr A Braddock, PO Box 57-066, Mana, Porirua
		ZL1AJD	Mr F J Krippner, Te Rore, R D 6, Te Awamutu
		ZL1AJH	Mr A J Hobbs, 3 York Place, Tokoroa

ZL1AJI	Mr A W Jeffries, 70 Woodglen Rd, Glen Eden	ZL1ANP	Mrs N L Parsons, 509/1 Mutu St, Te Awamutu
ZL1AJK	Mr W B Wood, 8 William Souter St, Takapuna	ZL1ANT	Mr B Pattison, Address Withheld
ZL1AJL	Mrs C A Dewar, 6 Syntax Place, Conifer Grove, Takanini	ZL1ANY	Mr S G Pearce, C/- Anaesthetics Department, Whangarei Area Hospital, Whangarei
ZL1AJM	Mr J G Morgan, 26 Harold Ave, Kaikohe	ZL1AOA	Mr J R Whitney, 35B Wallis St, Raglan
ZL1AJN	Mr W S Holmes, R D 1, Waiuku	ZL1AOB	Mr G N Harrop, 8 Waingaro Rd, Ngaruawahia
ZL1AJP	Miss A J Pope, Address Withheld	ZL1AOC	Mr H R T Henderson, 11 Chesley Place, Bucklands Beach
ZL1AJQ	Mr A H Hogan, PO Box 1497, Taupo	ZL1AOD	Mr C D Byrnes, 31 Rosehill Drive, Papakura
ZL1AJR	Mr R Chapman, 39A West Tamaki Rd, Glen Innes, Auckland 1006	ZL1AOH	Mr M I Stewart, T.H. 130 Hilda Ross Village, 30 Ruakura Rd, Hamilton
ZL1AJS	Mr John Alwyn Barker, 176A Bucklands Beach Road, Bucklands Beach, Auckland	ZL1AOI	Mr V G Trethowen, 13 Woodvale Road, Glen Eden, Auckland 1007
ZL1AJT	Mr G D Jessop, Flat 1, 4 Inkerman Street, Onehunga	ZL1AOM	Mr M W Brown, 290 Douglas Ave, Te Awamutu
ZL1AJV	Mr P J Irving, 4 Scott Ave, Mangere Bridge	ZL1AOO	Mr W Holley, 16 Ashlynn Rd, Papatoetoe
ZL1AJW	Mr P M Giles, 13 Ozich Ave, Te Atatu	ZL1AOT	Mr I Margison, Flat 2, 44 Pembroke Crescent, Glendowie
ZL1AJX	Mr J B Cox, 4/95 Wheturangi Rd, Greenlane, Auckland 5	ZL1AOV	Ms J L Matheson, Mata Rd RD 1, Kohukohu
ZL1AJY	Mr M P Barratt, 6 Brussels Place, Birkenhead	ZL1AOW	Mr D W Frankham, 3A Kaurilands Rd, Titirangi, Auckland
ZL1AKB	Mr M L N Gillard, 22 Stewart St, Whakatane	ZL1AOX	Mr I T Ashley, 894 Ponga Road, R D 4, Papakura, Auckland
ZL1AKC	Mr B W Crook, P.O.Box 1699, Rotorua	ZL1AOZ	Dr W J Mackey, 87 St Stephens Avenue, Parnell, Auckland
ZL1AKI	Mr C V Tait, 46 Maygrove Village, 65 Tauranga Place, Orewa	ZL1APD	Mr W J Richardson, 57 Esk St, Tauranga
ZL1AKJ	Mr D L Studholme, 22 Anita Ave, Mt Roskill	ZL1APH	Mr C R Dittmer, 1 Herbert St, Te Aroha
ZL1AKL	Mr E H Eagle, 35 Argyll Rd, Tauranga	ZL1API	Mr J G Hendrie, Makerua Rd, Tokomaru 5450
ZL1AKO	Mr R H Otto, Rangitane, R D 1, Kerikeri	ZL1APK	Mr G R Turvey, PO Box 70, Whakatane
ZL1AKP	Mr K B Pope, Address Withheld	ZL1APM	Mr J Bowers, 20 Stoneleigh Drive, Magnolia Grove, Hamilton
ZL1AKS	Mr J N Wigley, 43 Ocean View Rd, Northcote	ZL1APP	Mr C A Haysmith, 39 Kath Hopper Drive, Orewa 1461
ZL1AKT	Mr M S Follett, 39 Edmond Rd, Rotorua	ZL1APQ	Mr N W W G Crook, 4 Munroe Street, Onerahi, Whangarei
ZL1AKV	Mr D C Bell, 3 Cuba St Rd, Waihi 3061	ZL1APS	Mr N H Browne, 27 Vivian Drive, Omokoroa 3051
ZL1AKW	Mr D W J Horne, 3 Vine Ave, Tauranga	ZL1APT	Mr E B Jones, 13 Curson Street, Onehunga, Auckland
ZL1AKX	Mr M B Passau, 38 Awanui Rise, R D 2, Papakura	ZL1APU	Mr B W Sowerby, 42 Cheriton Rd, Howick
ZL1AKY	Mr G S Reed, 510 Great South Rd, Papakura	ZL1APV	Mr J R Fisher, 30 Queen Mary Ave, New Lynn, Auckland 1007
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ZL2AKN Mr L K Smith, PO Box 1119, Tauranga
ZL2AKS Mr D Taylor, 31 Ahuriri St, Wellington
ZL2AKT Mr R J Bundle, PO Box 28, Bulls 5452
ZL2AKU Mr B D Crosby, 28 Sheridan Cres, Upper Hutt
ZL2AKV Mr R N Copeland, 11 Te Puni Grove, Upper Hutt
ZL2AKW Mr T C King, 72 Chelmsford St, Wellington

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ZL2ALI	Mrs A R Dinsdale, 14 Benmore Ave, Palmerston North	ZL2AQN	Mr P J Heald, 26 Voelas Road, Lyttelton
ZL2ALJ	Mr A B Fletcher, 127 Melbourne Rd, Island Bay, Wellington 6002	ZL2AQO	Mrs K A Wilson, 149-B Birkdale Road, Birkdale, Auckland 1310
ZL2ALL	Mr A W Tompkins, Halcombe Rd, R D 5, Feilding	ZL2AQR	Mr R J C Crawley, Mayfield- Lismore Rd, Rd 5, Ashburton
ZL2ALM	Mr P J Lovegrove, 145 Carlisle Rd, Browns Bay	ZL2AQS	Mr P D Duckworth, 7 Einstein St, Gisborne
ZL2ALO	Mr A J Shearman, 12 Somerset Rd, Springvale, Wanganui	ZL2AQT	Mr S W Benton, Kahhutara Rd, Rd 1 Wainawhenua, Featherston
ZL2ALP	Mr P J Paton, 41 Hyde St, Wainuimata 6008	ZL2AQX	Mr R A Macartney, 129 Seaview Rd, New Plymouth
ZL2ALQ	Mr D R Phillips, Address Withheld	ZL2AQY	Mr E L Olson, 42 Easton Park Parade, Glenfield, Auckland 1310
ZL2ALR	Mr J M Jury, Glendower, Ponatahi Rd, Rd 2, Carterton	ZL2ARC	Mr Alistair Christie, 3 Rhyl Place, Bryndwr, Christchurch
ZL2ALT	Mr A C Tong, 12 Princes St, Hawera 4800	ZL2ARD	Mr D T Schofield, 34 Kiwi Rd, Raumati
ZL2ALW	Mr A D Barnett, 70 Waima Cres, Titirangi, Auckland	ZL2ARF	Mr J R Lane, 3 Bassett Place, Taradale, Napier
ZL2ALX	Mr G W Tarrant, Rawhitrua, Rd 8, Masterton	ZL2ARG	NZART Nelson Branch Inc, PO Box 414, Nelson
ZL2ALY	Mr C M Walker, 244A Te Moana Road, Waikanae 5036	ZL2ARI	Mr Albert John Wills, 45 Ruahine Street, Paraparaumu
ZL2ALZ	Mr G W Healey, 78 Sidlaw St, Wellington	ZL2ARJ	Mr B D Webb, 71 Hillside Drive, Upper Hutt
ZL2AMA	Mr M B Dwyer, PO Box 7313, Wellington South	ZL2ARL	Mr C G Larsen, 25 Sidlaw Street, Strathmore, Wellington
ZL2AMC	Mr F W Sargent, 2125A Gordonton Road, Rd 1, Taupiri 2171	ZL2ARN	Mr D G Stewart, 75 Nimmo Ave East, Waikanae 6010
ZL2AMD	Mr D H Lamont, 510 Kennedy Rd, Napier	ZL2ARQ	Mr D G Pahl, P.O.Box 25104, Christchurch
ZL2AME	Mr C A Heath, 9 Patutu Grove, Upper Hutt	ZL2ART	Mr T Mcquinlan, 6 Whanake St, Titahi Bay 6006
ZL2AMG	Mr Alan Morris, 28 Manchester Street, Solway, Masterton	ZL2ARV	Mr Alan James, 413 Fredrick St, Hastings
ZL2AMI	Mr R G Stewart, 105 Orangi Kaupapa Rd, Wellington 6005	ZL2ARW	Mr P R Williams, 15 Pinny Avenue, Lower Hutt 6009
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ZL2AMM	Mr S J Morris, 1 Sidlaw St, Wellington	ZL2ASB	Mr N H Anderson, 109 Aro St, Wellington 6021
ZL2AMO	Mr M L Spackman, Unit 3/421 Gloucester St (Atawhai), Taradale, Napier	ZL2ASC	Mr S B Denton, PO Box 35-265, Browns Bay, Auckland 1330
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ZL2AMR	Feilding & Districts Radio Club, C/O Ms Prior, 7 Keith Elliott Street, Feilding	ZL2ASF	Mr S F Fogerty, PO Box 218, Motueka
ZL2AMS	Marton Branch NZART, C/O Trustee: Mr T F Rubery, PO Box 279, Marton 5460	ZL2ASH	Mr B S Clark, 5 Mamaku Grove, Khandallah, Wellington 6004
ZL2AMT	Mr T L Garmonsway, Rangiwaea, Rd 1, Taihape	ZL2ASJ	Mrs S J A Jardine, Address Withheld
ZL2AMZ	Mr G J Humphris, 24 Woodleigh Mews, Paraparaumu Beach	ZL2ASO	Mr J R Sewell, 57 Hine Rd, Wainuimata
ZL2ANB	Mr D J Fenton, 27 Blake St, Waitara	ZL2ASQ	Mr E K Dawson, 680 East Coast Rd, Browns Bay
ZL2ANG	Mr B F Tipler, PO Box 400, Stratford	ZL2ASR	Mr A H Gill, 41 Gavin Black St, Meeanee, Napier
ZL2ANI	Mr S A Mcleod, 4 Trevelyan St, Napier	ZL2AST	Mr J E Groombridge, PO Box 30-099, 15 Oakleigh St, Lower Hutt
ZL2ANM	Brian Lewis Johnson, 146 Motuhara Road, Plimmerton, Porirua	ZL2ASW	Mr G S Avery, 24 Tudor Grove, Feilding
ZL2ANN	Opunake Radio Club, Inc Rahotu Branch NZART, 30 Dieffenbach St, Opunake	ZL2ASY	Mr R G Currie, 75 Hair St, Wainuimata
ZL2ANP	Mr J J Williamson, Sinclairs Rd, Rd 9, Feilding	ZL2ASZ	Mr D A Wardlaw, NZART, PO Box 40-525, Astral Towers, Upper Hutt
ZL2ANQ	Rev P M Keane, PO Box 1151, Gisborne	ZL2ATB	Mr F N Blackwell, 103 Kenmore St, Wellington
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ZL2AOA	Mr T F Wall, Mahaki, Rd 1, Martinborough	ZL2ATE	Mr R C Manley, 22 Amberley Ave, Palmerston North
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ZL2AOK	Mr G A Wallis, 216 The Terrace, The Terrace, Wellington	ZL2ATP	Mr W M Hursthouse, 306 Princes Drive, Nelson
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ZL2APE	Mr J C Parnell, 87 Duncan Tce, Wellington	ZL2AUR	Mr T Y Tong, 390A Fergusson Drive, Trentham, Upper Hutt
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ZL2APG	Mr Andrew Gardner, Private Box 302 056, North Harbour, Auckland	ZL2AUW	Mr A L J Nash, 16 Rahiri Rd, Mt Eden
ZL2APH	Mr R A Haisman, 27 Valley Rd, Gisborne	ZL2AUX	Mr D H Lewer, 113 Pukepapa Rd, Marton
ZL2APJ	Mr A P Jury, 83A Fulford St, New Plymouth	ZL2AUZ	Mr R L Blair, 12 Cleland St, Palmerston North
ZL2APO	Mr P Leigh, 4 Parcell Court, Cromwell	ZL2AVB	Mr A P Hargreaves, 22C High St, Eltham
ZL2APS	Mr Stanley Swan, 24 Tuatoru Street, Eastbourne, Lower Hutt	ZL2AVF	Mr L V Gibbs, 19 Camellia Tce, Lower Hutt
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ZL2APU	Mr D W Marshall, PO Box 100, Patea	ZL2AVJ	Mr M D McNabb, 135B Beach Road, Kaikoura
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ZL2APX	Mr M O'Dwyer, 135 Guppy Rd, Taradale, Napier	ZL2AVM	Mr R H C Morris, 21 Rangoon St, Wellington
ZL2APY	Mr G Hartwig, 23 Grey St, Woodville	ZL2AVO	Mr Brian Davis, 8 Lorimer Place, Richmond, Nelson
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		ZL2AVY	Mr M L Owen, Kane St, Pirongia
		ZL2AWA	Mr W E Farquhar, 17 Stansel Avenue, Nelson
		ZL2AWE	Mr P Cooke, 31 Kent Cres, Palmerston North
		ZL2AWF	Mr D G Alexander, 34 Tennyson St, Petone

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ZL2AXB	Mr D R K Crawley, Campbell Rd Rd 1, Wanganui	ZL2BAX	Gavin Marshall, 26 Burleigh Road, Redwoodtown, Blenheim
ZL2AXC	Mr G S Ragan, 32 Mitchell St, Wanganui	ZL2BAY	Mr J M Elvy, 62A Salisbury Road, Birkdale, North Shore
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ZL2AXH	Mr W B Aitchison, 11 Lipman Street, Mt Victoria, Wellington	ZL2BBC	Mr Peter Cocks, 400 Spur Road, Colyton, Fielding
ZL2AXL	Mr P R Harvey, 4A Norton Rd, Otumoetai, Tauranga	ZL2BBG	Mr J B Gosnell, 417 Ruahine St, Hokowhetu, Palmerston North
ZL2AXN	Mr R G Crane, 11 Dickens Lane, R D 1, Wanganui 502	ZL2BBH	Mr J H Jansen, Wairoaiti, Seafield Rd, R D 2, Napier
ZL2AXO	Mr R W Mathers, Pohara Valley Road, Takaka	ZL2BBK	Mr Steve Graham, PO Box, Queenstown
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ZL2AXQ	Mr R E Rowlands, 16 Norma Cres, Wellington	ZL2BBN	Mr B P Finch, 142 Brooklands Rd, New Plymouth
ZL2AXR	Mr K A Ramsay, 130A Cheviot Rd, Lowry Bay, Wellington	ZL2BBO	Mr T P Lealand, 16 Hunter St, Hawera
ZL2AXT	Mr J D Bremford, 9 Winston St, Wellington	ZL2BBS	Mr A M Doig, 72 Gordon Rd, Pimmerton
ZL2AXW	Mr P J Andrew, Address Withheld	ZL2BBT	Mr K E Grove, 3 Lomond St, Newlands, Wellington
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ZL2AYE	Mr R J Wastney, 126 The Ridgeway, Nelson	ZL2BCA	Mr D L Scott, 74 Dodson Valley Road, Atawhai, Nelson
ZL2AYF	Mr B W Amies, 15 Lyndhurst Rd, Tawa	ZL2BCB	Mr C G Tunncliffe, 15 Carmen Tce, Snells Beach, Auckland
ZL2AYK	Mr R W Kelly, 173 Victoria St, Cambridge	ZL2BCE	Mr D J R Race, 20 Exeter Cres, Pirimai, Napier
ZL2AYL	Mrs N Newport, 97 Donnett Street, Waitara	ZL2BCF	Mr D H Pratt, 30 Deepdale St, Burnside, Christchurch
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ZL2AYT	Mr P E Bolton, 176B Katherine Mansfield Drive, Whitemans Valley, Upper Hutt 6007	ZL2BCO	Mr B C Officer, 30 Peterhouse St, Tawa, Wellington
ZL2AYU	Mr D W Leask, 11 Cannon St, New Plymouth	ZL2BCP	Mr J H Bromley, 9 Archer Place, Carters Beach, Westport
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ZL2AYZ	Mr W G Cousins, 20 Buick Street, Blenheim	ZL2BCY	Mr E J Wallen, 35 Ranginui St, Ngongotaha
ZL2AZA	Mr D Borrell, 109 Pope St, Camborne, Wellington	ZL2BDB	Mr J W Herbert, PO Box 97, Picton
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ZL2AZK	Mr B R Lankshear, 13 Kim Crescent, Blenheim	ZL2BDL	Mr R M Mclachlan, PO Box 8157, Havelock North
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ZL2AZP	Mr H G Pinny, 6 Derwent Close, Paraparaumu	ZL2BDQ	Mr W J Johnson, 363 Westminster Ave, Napier
ZL2AZR	Mr M G Harris, PO Box 2043, Raumati Beach	ZL2BDR	Mr N A Greig, 145 Normandale Rd, Lower Hutt
ZL2AZV	Mr J M Stephen, 11 Reeve Drive, Havelock North	ZL2BDS	Dr A A Corbett, 7 Morington Terrace, Blenheim
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ZL2AZZ	Mr J H Randall, 7A Sunny Glen, Waikanae	ZL2BDW	Mr G B Smith, 1299 Fergusson Drive, Upper Hutt
ZL2ARDF	Mr A J Mackie, 8 Tarata Street, Stoke, Nelson	ZL2BED	Mr G J H Dunkley, L Ecole, French Farm, Rd 2 Akaroa
ZL2B	Mr A F Hunt, 8 Manu Cres, New Plymouth	ZL2BEF	Mr P R London, 92 Majoribanks Street, Mount Victoria, Wellington
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ZL2BB	Mr F R Bradshaw, 40 Simla Ave, Havelock North	ZL2BEJ	Mr D N Squire, 7 Highfields, Ahipara, Rd1 Kaitia
ZL2BC	Mr K R Gentry, 8 Chudleigh Grove, Wellington	ZL2BEK	Mr L T Campbell, 14 Leighton Ave, Lower Hutt
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ZL2BE	Mr C J Woollard, PO Box 2272, Stortford Lodge, Hastings	ZL2BEN	Mr Max Fretter, 23 Myres Street, Tauranga
ZL2BF	Mr B Feickert, PO Box 43-143, Wainuiomata	ZL2BEP	Mr P C Whiteford, 46 Central Tce, Kelburn, Wellington
ZL2BG	Mr P G Williams, Mangakuri, R D 14, Havelock North 4230	ZL2BEQ	Mr P M Penberthy, Rd 5, Rangitikei Line, Newbury, Palmerston North
ZL2BH	Mr John Elvy, Larksfield Cottage, 34 St Leonards Road, R D 1	ZL2BER	Mr R P K Crompton, 97 Inlet Rd, Kerikeri
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ZL2BK	Mr G R Simpson, 8A Faulkland Drive, Blenheim	ZL2BFE	Mr J L Fake, 44 Cumberland St, New Plymouth
ZL2BL	Mr D J Beswick, 283 Happy Valley Rd, Wellington	ZL2BFF	Mr G C Cummerfield, 3 Croxley Place, Palmerston North
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ZL2BN	Mr L J Rice, 67 Wither Road, Blenheim	ZL2BFH	Mr D Holt, 5 Hillary Heights, Gisborne
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ZL2BP	Mr R A McNabb, Address Withheld	ZL2BFK	Mr Kevin Noel Potroz, C/-Ascent Business Directions, PO Box 8810, Symonds Street
ZL2BR	Mr A F Hunt, 8 Manu Cres, New Plymouth	ZL2BFR	Mr H N Wiggins, 23 Slacks Rd, Palmerston North
ZL2BS	Mr T W Ward, PO Box 4127, New Plymouth	ZL2BFS	Mr G A W Rushton, 30B Moulton Street, New Plymouth
ZL2BT	Mr B G K Fennessy, 1/204 Southampton West, Hastings 4201	ZL2BFU	Mr G Lacey, 27 Bledisloe St, Masterton
ZL2BU	Mr B T James, Flat 1, 413 Main Road, Stoke, Nelson	ZL2BFX	Mr A J Kerr, 1/28B Rangers Road, Cremorne, NSW
ZL2BV	Mr R B Vernall, 90 Campbell St, Karori, Wellington 6005	ZL2BFY	Mr R Lambert, 35 Kitchener Street, Masterton
ZL2BW	Mr D S Harling, 142 Quebec Road, Nelson	ZL2BFZ	Mr F A Thum, 43 Rimu Street, Waikanae 6454
ZL2BX	Mr A F Cresswell, 36 Titimoana Rd, Korokoro, Petone	ZL2BGC	Mr M G D Passuello, 36 Andrew Street, Waikanae 6010
ZL2BY	Mr R M Fluerty, 24 The Sounding, Whitby, Porirua	ZL2BGD	Mr R W F York, 41A Nelson Street, Blenheim
ZL2BAB	Mr B A Beresford, 41 Workshop Rd, Masterton		
ZL2BAC	Mr T G Osborne, 46 Hicks Crescent, Waikanae Beach 6010		

ZL2BGE	Mr L Boyle, 37 Lewis Ave, Wanganui
ZL2BGI	Mr W J Pycroft, 156 Milton Street, Nelson
ZL2BGJ	Mr G M Jonas, 31A Leighton Avenue, Waiwhetu, Lower Hutt
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ZL2BHD	Mr G W Bateman, 54 Murray Ave, Hawera
ZL2BHE	Mr D C Walker, PO Box 5304, Lambton Quay, Wellington 6040
ZL2BHF	Mr J A Meachen, Unit 1/ 25 Coronation Rd, Glenfield, Auckland
ZL2BHG	Mr J R Lawson, 114 Hospital Road, Blenheim
ZL2BHH	Mr E D Burnham, 15 Tawa St, Levin
ZL2BHI	Mr K J Orams, 13 Eagle St, Wellington
ZL2BHJ	Mrs G J Andrews, 66 Khandallah Rd, Khandallah, Wellington 6004
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ZL2BHL	Mr R L Fowler, 513 Main Road, Riwaka, R D 3 Motueka
ZL2BHM	Mr E F Matthews, Rd, Moeawatea, Waverley
ZL2BHN	Rev J P G Allardyce, Marist Seminary, 10 Hopetoun Street, Newton, Auckland 1001
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ZL2BHR	Mr R G Inwood, 22 Benmore Ave, Palmerston North
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ZL2BHW	Mr R P Quayle, C/O 5 Te Pari Pari Rd, Pukerua Bay
ZL2BHX	Mr T J E Vernon, 1 Whio St, Taihape
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ZL2BIR	Mr P R Kidd, 8 Goldie Place, Waikanae
ZL2BIS	Mr I G Porter, 20 Belfield St, Christchurch
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ZL2BIU	Mr J I Mccaw, 233 Chartwell Ave, Whangamata
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ZL2BJO	Mr S J Cathcart, P O Box 1537, Palmerston North
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ZL2BJU	Mr J J Thompson, Rd 10, 17 Pohangina Rd, Palmerston North
ZL2BJV	Mr K J Menzies, Main Road, Grovetown, Blenheim
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ZL2BJY	Mr A P Benson, 14 Mark Perreau Place, Foxton
ZL2BKA	Mr J S A Dale, 689 East Coast Rd, Browns Bay, Auckland 1310
ZL2BKI	Mr J J Hurst, 11 Ferguson Village, Ward Street, Upper Hutt
ZL2BKL	Mr B W Allan, Inland North Rd, R D 43, Waitara
ZL2BKW	Mr T R Harrowfield, Rd 8, Roberts Line, Palmerston North
ZL2BKY	Mr K L Cox, 37 Cuba St, Petone
ZL2BKZ	Mr J F C Rodrigues, Flat 4, 25 Clawton St, New Plymouth
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ZL2BLC	Mr J T J Ottaway, 5 Hamerton Street, Lower Hutt 6009
ZL2BLE	Mr A W Dew, 5 Pokohiwi Road, Homebush, Masterton 5901
ZL2BLF	Mr W Kooy, 167 Langdale Avenue, Paraparaumu 6010
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ZL2BLI	Mr D J Inkster, PO Box 21, Ohakune
ZL2BLJ	Mr J Hodgkinson, 16 Harper St, Wanganui
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ZL2BLM	Mr N A H Rait, 2 Revans St, Featherston
ZL2BLN	Mr P E Scarrott, Buchanan Rd, Bay View, Napier
ZL2BLO	Mr P C Moore, 8 Maxwell Place, Napier
ZL2BLP	Mr G K Rodgers, 43 Dunair Drive, Burwood, Christchurch 6
ZL2BLQ	Mr S G Mangin, 33 West St, Greytown
ZL2BLS	Mr M W Lavery, 16 Morrissey St, Hawera
ZL2BLX	Mr A C L Mclauchlan, 81A Oxford St, Tawa
ZL2BMA	Mr R H G Calvert, Kuratawhiti St, Greytown
ZL2BMB	Mr M K R Walker, 18C Travancore Street, Island Bay, Wellington 6005
ZL2BMC	Mr J R Childs, 1002 Frederick St, Mahora, Hastings
ZL2BME	Mr G R Clarke, Address Withheld
ZL2BMG	Darwin Dyke Deliman, 6/120 St Albans Street, New Plymouth
ZL2BMH	Mr J E Irving, 38 Lawry St, New Plymouth
ZL2BMI	Mr E J Sears, 9 Sadiers Street, Stoke, Nelson
ZL2BMJ	Mr P N Raiton-Jacks, 31 Seaforth Ave, Palmerston North
ZL2BMK	Mr R F Bowman, 146 Conclusion St, Porirua

ZL2BMO	Mr J Garrod, 82 Patuwai Road, Rd 1, Whakatane
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ZL2BMZ	Mr P L Murray, Rd, Paparata Rd, Bombay
ZL2BNA	Mr G J Hitchman, 33 Norfolk Cres, Feilding
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ZL2BNC	Mr R A Cook, 9 Furlong Crescent, Churton Park, Wellington
ZL2BND	Mr T W Smith, 4 St Johns Tce, Tawa
ZL2BNE	Mr N C Marr, 322 Old Renwick Road, R D 2, Blenheim
ZL2BNF	Mr A H James, 8 Pyes Pa Rd, Rd3, Tauranga
ZL2BNG	Mr J A Gibellini, 71 Point Road, Monaco, Nelson
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ZL2BNN	Mr H T Robinson, 6 Becroft Drive, Forrest Hill
ZL2BNP	Mr P G Johnson, P O Box 162, Cromwell
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ZL2BNS	Mr A P Townshend, 12 Athol Street, The Glen, Rd 1, Nelson
ZL2BNV	Mr P A Lowe, 7 Richmond Avenue, Karori, Wellington
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ZL2BOJ	Mr R E Harris, 7 Hempton St, New Plymouth
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ZL2BON	Mr S P Nicholls, P O Box 5, Pongaroa
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ZL2BPD	Mr P E Donovan, 389 Muritai Rd, Eastbourne
ZL2BPE	Mr J H Vennix, 15 Hawkins Drive, Martinborough
ZL2BPG	Mr B P Harding, 119A Weraroa Road, Levin
ZL2BPI	Mr I D Watt, C/O 9 Field Street, Wanganui
ZL2BPJ	Mr R H Maddock, 2 Waipuna Grove, Stokes Valley, Lower Hutt
ZL2BPL	Mr M G R Kerslake, Address Withheld
ZL2BPS	Mr P J Stewart, 1024 Whitemans Valley Rd, Upper Hutt
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ZL2BRA	Mr I M Cash, 77 Grey St, Waitara
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ZL2CB Mr C H Brown, 558 Wainui Rd, Gisborne
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ZL2CD Mr W R Hamer, 68 Pope St, Cambourne, Porirua
ZL2CE Mr J A Bicknell, Papawai Rd, Greytown
ZL2CF Mr C Lee, PO Box 90, Clive
ZL2CG Mr M L Cornick, 23 Oakley Ave, Marton
ZL2CH Mrs A J White, PO Box 6013, Glenview, Hamilton
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ZL2CN Mr C W Newport, 162 Kawai Street, Nelson
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ZL2CP Mr C J Poppe, PO Box 7, Taupo
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ZL2CS Mr W S Roberts, 188 Nikau St, Hastings
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ZL2CCO Mr Willem Christiaan Conradie, 16 Tuckett Place, Wakatu, Nelson

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ZL2CJR Mr C J Robertson, 26A Manuka Street, Otaki
ZL2CJZ Mr Chris Zawodny, Address Withheld
ZL2CLB Mr Benjamin Caleb Williams, 29A Taylor Pass Road, Blenheim
ZL2CLI Dr E J B Mearthur, C/O Dr I Mearthur, PO Box 126, Carterton
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ZL2CMC Mr C R McEwen, 5 Odlin Cres, Nawton, Hamilton
ZL2CMG Mr T G Milne, C/- 12 Rahui Street, Strathmore, Wellington
ZL2CMO Casey Oates, 2/133 Saxton Road East, Stoke, Nelson
ZL2CNE Mr C N Emke, 12 Lemon St, Otaki
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ZL2COS Mr D W Brown, 34A Iazard Road, Khandallah, Wellington 6004
ZL2CPG Mr Christopher Peter Gray, 3 Harbour Heights, Waverley, Dunedin

ZL2CPH Mr P N Harvey, 11 Montego Place, Manurewa, Auckland
ZL2CPR Mr P A Rood, 8 Goldfinch Place, Welcome Bay, Tauranga
ZL2CSE Mr E C Smith, 289 Chemsfond Street, Rosedale, Invercargill
ZL2CUP David Atkinson, 2363 Wahi Road, Whangamata
ZL2CVA Mr A E Adams, 1 East Beach, Waitara
ZL2CVJ Ms Vicky Cirrus Jaynes, 16 Allisdair Street, Atawhai, Nelson
ZL2CVW Mr A M Saunders, 96 Oriel Avenue, Tawa, Wellington 6006
ZL2CWA Mr C W Armstrong, 74 Tukapa Street, Westown, New Plymouth

ZL2CZM Mr J M Rooney, 48 Rimu St, Waikanae
ZL2DA Mr D Appleton, 19 Franklin Tce, Havelock North
ZL2DB A D Brown, 110 Leinster Avenue, Raumati 6010
ZL2DC Mr W P Chisholm, 1 Camellia Court, Palmerston North
ZL2DD Mr D F Scott, 68 Chatsworth Rd, Silverstream
ZL2DE Mrs D H Johnson, F 1 / 92 Arthur Street, Blenheim
ZL2DF Mr N M Hayton, 31 Cameron Street, New Plymouth 4310
ZL2DG Mr D O Mcbeth, 42 Rangitake Drive, New Plymouth
ZL2DH Mr J W Welsh, 35 Beach Road, Richmond, Nelson
ZL2DI Mr J H Shortt, 80 Savage Cres, Palmerston North
ZL2DJ Mr W J Dickson, 21 Grenville St, New Plymouth

ZL2DK Mr D S J Keenan, 13 Ruru Cres, Upper Hutt
ZL2DM Mr T C Christian, 4 Snowden Ave, Palmerston North
ZL2DN Mr D C Lucas, C/O Solander Fisheries Ltd, P O Box 5041, Port Nelson

ZL2DO Mr R H Mcmillan, 8 Brooklands Way, Marybank, Nelson 7001
ZL2DP Mr S D Purton, 376 Botanical Rd, Palmerston North
ZL2DQ Mr Brian Wilkins, 48 Bright Crescent, Maraenui, Napier
ZL2DR Mr D Reid, PO Box 85, Levin
ZL2DS Horowhenua Branch 16 NZART, PO Box 524, Whangarei
ZL2DT Mr J G G Cordy, 50 Strathmore Ave, Wellington
ZL2DU Mr M L Millane, 132 Campbell St, Ebdentown, Upper Hutt
ZL2DW Mr D J Walker, Box 2403, Stortford Lodge, Hastings
ZL2DX Mr C C Hannagan, 173 Southdown Road, R.D.1, Martinborough 5781

ZL2DY Mr A D Parsons, Hutt Gables Villa 9, 109A Fergusson Drive, Upper Hutt

ZL2DZ Mr R Janaszkiwicz, 26 Foster Street, Avalon, Lower Hutt 6009
ZL2DAA Mr David A Annett, 111B Eskdale Road, Birkdale, Auckland
ZL2DAN Mr D J Leyland, 20 Henry Street, Ebdentown, Upper Hutt
ZL2DAP Mr K B G Luxford, 26 Kennedy Gr, Stokes Valley, Lower Hutt
ZL2DAT Mr Steven Mulvay, 88 Richmond Road, R D 3, New Plymouth
ZL2DAY Mr P W Mott, PO Box 36-502, Northcote, Auckland 1330
ZL2DBA Mr L H Jorgensen, 291 South Rd, Rd4, New Plymouth
ZL2DBC Mr J Child, PO Box 82-109, Highland Park, Auckland 1730
ZL2DBE Mr C J Peart, 7 Cromwell St, Murchison
ZL2DBO Mrs J N O'Donnell, 39 Lisimore St, New Plymouth
ZL2DBT Mr H A Marsh, 2/187 Carrington St, New Plymouth
ZL2DBX Mr J N Jago, 69/150 Williams Street, Kaiapoi
ZL2DCB Mr D C Byron, 14 Woburn Place, Palmerston North
ZL2DCS Mr D Scholes, 167 Milton Street, Nelson
ZL2DCW Mr D Wooding, 132 Scott Street, Blenheim
ZL2DEX Mr D N Muir, 5 Edinburgh Street, Levin
ZL2DGW Mr D G Whibley, 96 Clifford Rd, Johnsonville 6004
ZL2DIZ Mrs D L Trattles, 80 Rangitani, Loop Road, R D 1
ZL2DJA Mr D A D Anderson, 39 King St, Timaru
ZL2DJB Mr D J Baldwin, 8 Cambridge Street, Patea
ZL2DJF Mr D J Fox, 112 Ngamotu Rd, New Plymouth
ZL2DJJ Mr David Jones, Winstanley Kerridge Limited, P O Box 349, Blenheim

ZL2DLS Mr T Nguyen Huu, 201 Tukapa Street, New Plymouth
ZL2DNS Mr D Thorp, 246 Mountain Road, Sentry Hill Rd 3, New Plymouth

ZL2DOG Mr A R Allan, 18 Elmwood Avenue, Blenheim
ZL2DON Mr D Cuthbert, 20A Guthrie Street, Lowerhutt
ZL2DOW Mr A J Dow, Address Withheld
ZL2DRF Mr D Farley, 119 Jickell Street, Palmerston North
ZL2DSW Mr D S Williams, 156 Main Rd, Wainuiomata 6008
ZL2DTM Mr D T Morris, 316/1 Budden Rd, Rd 5, Pokuru
ZL2DUS Mr K H Henderson, 30 Vaucluse Ave, Paraparaumu 6010
ZL2DVY Mr D Hunt, 403 College St, Palmerston North
ZL2DWC David Chapman, P O Box 12068, Ahuriri, Napier
ZL2DEMO Mr J F C Johnson, 15 Field Street, Upper Hutt
ZL2E Terawhiti Amateur Radio Club, 2 A Everest Lane, Cambridge
ZL2EST Eric Teale, 72B Beach Road, Onerahi, Whangarei
ZL2FA Mr A V Hogan, Address Withheld
ZL2FB Mrs R Hunt, 9 Arrowfield Drive, Pyes Pa, Tauranga
ZL2FC Mr C G Coutts, 12 Paierau Road, R.D.1, Masterton 5901
ZL2FD Mr D Butel, 8 Drake St, Rd 31, Levin
ZL2FE Mr B A Falkner, 49 Karina Tce, Palmerston North
ZL2FF Mr R S Hayward, 17 York Street, Motueka
ZL2FG Mr A W Torrie, 25 Taranaki Street, St Johns Hill, Wanganui
ZL2FH Mr P E Garth, 1001 Wharekopae Rd, R D 2, Gisborne
ZL2FJ Mr D G Withy, 16 Kenmore St, Wellington
ZL2FK Mrs K Swan, 40 Smith St, 4510 Waverley, Wanganui
ZL2FM Mr E J Burr, 87 Stanley Rd, Gisborne
ZL2FN Mr E F Williams, 31D Liffiton St, Wanganui
ZL2FO Mrs V Hawtree, 50 Fox Rd, Wanganui
ZL2FP Mr S B George, 7 Te Whena Place, Waitara
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ZL2FR Mr N D Dyett, 71 Coutts St, Wellington
ZL2FS Mr J R Priest, 26 Woolcombe Tce, New Plymouth
ZL2FT Mr J A Wallace, 16 Oxford Road, Wanganui
ZL2FV Mr B E Richter, 706D Pioneer Highway, Palmerston North
ZL2FW Mr L W Harbidge, 1B Romney Square, Tawa, Wellington
ZL2FX Mr S G Billington, PO Box 10 024, Palmerston North
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ZL2FAB Mr F A Burgess, 4 Susan Place, Riverdale, Gisborne
ZL2FAE Mr S Stannard, 90 Marine Parade, Paraparaumu Beach, Paraparaumu

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ZL2GF	Mr R J Waters, 32 Taft St, Wellington
ZL2GG	Mr R J Waters, 32 Taft St, Wellington
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ZL2GN	Mr R S Malabar, 9 Messenger Tce, Oakura
ZL2GO	Mr L C Blackley, 26 Kaitawa Cres, Paraparaumu 6450
ZL2GP	Mr G P Cole, 58 Woodhouse Ave, Karori, Wellington
ZL2GQ	Mr P G Topliss, 7 Victoria Heights, Nelson
ZL2GR	Gerard Thomas Butler, 1937 Pourerere Road, Rd 1, Waipawa
ZL2GS	Mr J B Legg, 30 Lytton Street, Feilding 5000
ZL2GT	Napier Amateur Radio Club Inc, 54A Auckland Road, Greenmeadows, Napier
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ZL2GEM	Mrs G E Clarke, Address Withheld
ZL2GEO	Mr G F Giring, 4 Oldfield Place, Bulls
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ZL2GGD	Mr G D Dempsey, 423 Collinge Rd, Hastings
ZL2GHS	Mr N J Boniface, 163 Colombo Rd, Masterton
ZL2GKK	Mr George Kazimir Kulma, 167 Vivian Sreet, New Plymouth
ZL2GLM	Mr Gary Legge, 4 Denby Road, Hawera
ZL2GLO	Miss Sarah Dryburgh, C/- New Zealand Police, Cnr Ralph & Williams Street, Huntly
ZL2GMP	Mrs G M Pollock, Address Withheld
ZL2GMW	Mr G Morris, 78 Hillcrest Rd, Whakatane
ZL2GRE	Mr P Greenwood, 7 Cooper Street, Masterton
ZL2GRI	Mr W G Crone, 298B Kahutia St, Gisborne
ZL2GRM	Mr G Trim, 79 Napier Tce, Napier
ZL2GRZ	Mr G R Zambon, 1A Joseph Grove, Upper Hutt
ZL2GSW	Mr R A Adlam, 174 Bridge St, Bulls 5452
ZL2GSX	Mrs W B M Eyre, 174 Bridge Street, Bulls
ZL2GTB	Mr Gordon Blewett, 21 Falstaff Street, Stratford
ZL2GVA	Mr G Van Antwerpen, 137 Vickerman Street, Grovetown, Blenheim
ZL2GWD	Mr Graeme Wilson, 629 State Highway 60, Rd 2 Puramahoi, Takaka
ZL2GWL	Mr G W Lane, 75 Beaumaris Cres, Ascot Park, Porirua
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ZL2HB	Mr D A Stephens, 2 Riverbend Rd, Napier
ZL2HC	Mr H M C Dobson, Address Withheld
ZL2HD	Mr J R Andrews, 66 Khandallah Rd, Khandallah, Wellington 6004
ZL2HE	Mr A E Law, P O Box 368, Dannevirke 5491
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ZL2HH	Mrs H B Harris, Rd 4, Mt Adde, Blenheim
ZL2HI	Mr J P Dillon, 7 Wilford St, Lower Hutt
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ZL2HL	Mr N W Barry, 20 Gladstone St, Hawera
ZL2HM	Mr Peter R Moore, 190 Plateau Road, Upper Hutt
ZL2HN	Mr H Nixon, 1 Lesley Grove, Waikanae
ZL2HO	Mr B A Warner, 23 City View Grove, Harbour View, Lower Hutt
ZL2HP	Mr A L Watkins, 1/26 Outram Grove, Kelson, Lower Hutt 6009

ZL2HQ	Mr Lawrence Carr, 39 Fraser Drive, Feilding
ZL2HR	Mr P Beattie, 43 Gordon St, Lower Hutt
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ZL2HV	NZART Hutt Valley Branch Inc, PO Box 30-519, Lower Hutt
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ZL2HEM	Mr E M Humphreys, 16 Fergusson Street, Stoke, Nelson
ZL2HGR	Mr M T R Dixon, Address Withheld
ZL2HIS	Mr N Sutherland, 8 Homer Street, Te Anau
ZL2HJS	Mr Hayden Sims, 298 Ruahine St, Palmerston North
ZL2HMJ	Miss Heather Johnson, 98 Gonville Avenue, Wanganui
ZL2HOT	Peter Perreaux, 2 Silverbirch Grove, Chertton Park, Wellington
ZL2HPK	Mr H P Kemp, 36 Aberfeldy Street, Porirua
ZL2HRL	Mr H R Lightwood, 137A Hospital Road, Blenheim 7301
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ZL2IA	James Tittsler, PO Box 640, Gisborne
ZL2IB	Tararua District Radio Club, C/- Rosewood Villa (Attn. S Cooper), 24 York Street, Hillcrest, Dannevirke 5491
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ZL2ID	Dr C Appleton, 16 Meridian Grove, Kelvin Grove, Palmerston North
ZL2IH	Mr I D Hayton, Address Withheld
ZL2II	Mr D G Caldwell, 88 Jubilee Rd, Wellington
ZL2IJ	Mr R J Eastwood, 63 Shepherd Rd, Taupo
ZL2IK	Mr P J Mulhare, Pipiwai Rd, R D 6, Whangarei 0121
ZL2IM	Mr P W Brown, 20 Nevada Drive, New Plymouth
ZL2IN	Mr R E Crumpton, 27 Kapiti Cres, Titahi Bay 6006
ZL2IO	Mr E S Collins, Rd 1, Main Road, Wakapuaka, Nelson
ZL2IP	Mr E J Barnes, 790 Durham Rd, R D 8, Inglewood
ZL2IQ	Mr M J Wills, Address Withheld
ZL2IR	Mr N A Cuttriss, 59 Fergusson St, Rakaia
ZL2IS	Mr G Were, 180 Regan St, Stratford
ZL2IT	Mr E C C Lilley, 1B Harvey Rd, Napier
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ZL2IW	Mr R S Carter, 66A Inkerman St, Renwick, Blenheim
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ZL3ACU	Mr B McKay, 23 Palmside St, Christchurch	ZL3AWX	Mr R C Jenkins, 33 Torea St, Granity, Westport
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ZL3NRA	Mr Ray A Hunt, Cantara, 185 Lambies Rd, R D 3, Amberley	ZL3RT	Mr J Taylor, 59 Mackenzie Ave, Roimata, Christchurch
ZL3OA	Mr B A Macdonald, 24 Makepiece Place, Birkenhead, Auckland	ZL3RU	Mr R G T Bennett, 60 Kirkwood Ave, Christchurch
ZL3OB	Mr W S J Reed, 7A Humphrey Street, Marton	ZL3RW	Mr K A Steffensen, 10A Sefton St, Belfast
ZL3OC	Mr K J Smith, 334 Waititi Rd, Timaru	ZL3RX	Mr R J Thirkettle, Address Withheld
ZL3OD	Mr G J Barnes, Address Withheld	ZL3RZ	Mr S P King, 2/88 Esplanade, Christchurch
ZL3OE	Mr D L Richards, 38 Frankleigh St, Christchurch	ZL3RAY	Mr R A Young, 2466 South 450 East, Bountiful, Utah 84010
ZL3OF	Mr I F Milne, 266A Hoon Hay Road, Christchurch	ZL3RBN	Robyn Edwards, 522 Chain Road, 5 Rd, Christchurch
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ZL3OU	Mr A H Bellamore, 87 Radley St, Christchurch	ZL3REW	Mr R E Williams, 61 Elizabeth Street, Ashburton
ZL3OV	Mrs B J E Gillman, 6 Boyd Street, Rangiora	ZL3REX	Mr R A Handcock, 24 Fairfax Street, Murchison
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ZL3OY	Mr J Duxbury, Genesis Drive, West Melton, R D 1, Christchurch	ZL3RJK	Miss R J Hoskin, PO Box 94, Te Anau
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ZL3PC	Mr P C Haines, 10 St Johns Avenue, Timaru	ZL3ROB	Mr R Gilks, 992 Newmans Road, West Melton R D 5, Christchurch
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ZL3PG	Mr P R Graham, C/O Abel Tasman Kayaks, Marahau, R D 2, Motueka	ZL3RPS	Radio Preservation Society Of Nz (Ferryhead) Inc, 269 Bridle Path Rd, Christchurch
ZL3PH	Mr B Rowe, 250 Grahams Rd, Christchurch	ZL3RQV	Mr G S Lawrence, C/- 2 Elm Lane, Gore
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ZL3PN	Mr G F Boorer, 48A Newton St, Timaru	ZL3SB	Mrs S J Bromley, 9 Archer Place, Westport
ZL3PO	Mr D K Turner, PO Box 99, Wa	ZL3SC	Mr G D Shearman, 68 Proctor St, Christchurch
ZL3PP	Mr R J C Crichton, 11C Rogers Street, Blenheim	ZL3SD	Mrs Shirley Osborne, 23 Wickens Place, Warkworth
ZL3PR	Mr C M Petersen, 51 Derby St, Westport	ZL3SE	Mr W Printz, Address Withheld
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ZL3PAH	Mr P A Holliday, 1 Clifton Bay, Sumner, Christchurch	ZL3SM	Mr B N Graham, 230 Esplanade, Kaikoura
ZL3PRJ	Mr Peter Jackson, 5 Lyall Tce, Temuka	ZL3SN	Mr J E Oldham, 40 Russell St, Westport
ZL3PTB	Mr P T Bower, 15 Harper St, Timaru	ZL3SO	Mr J W Kilkoly, 37 Haseldon St, Westport
ZL3PTP	Mr P T P Collins, 489 Avonhead Rd, Christchurch 8004	ZL3SP	Mr P J Brookman, 361 Gardiners Rd, Christchurch
ZL3QA	Mr A E Prentice, Sunningdale" "Hamilton Rsa Veterans Home", Flat 8, 174 Peachgrove Road	ZL3SR	Mr F E Avery, 66 Mill St, Westport
ZL3QC	Mr N A Mullis, 405C Mooray Ave, Harewood, Christchurch	ZL3SS	Mr K A Smales, 155 Monks Spur Road, Redcliffs, Christchurch
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ZL3QH	Mr K A Stanton, P.O. Box 31-095, Ilam, Christchurch	ZL3SU	Mr P J Orchard, 4 Wilson Drive, Ohoka R D 2, Kaiapoi
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ZL3QK	Mr R Dawson, 41 Garlands Rd, Christchurch	ZL3SZ	Mr D L Dalrymple, 65 Frankleigh St, Christchurch
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ZL3TM	Mr W A Buchanan, 10 McGowan Street, Runanga, via Greymouth
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ZL3TU	Mr Paul Harwood, 9 Beaumont Street, Ocean View, Timaru
ZL3TV	Mr G R Shaw, Address Withheld
ZL3TW	Mr T R Riley, 20 Rearsby Drive, Christchurch 3
ZL3TX	Mr P A Layt, 15 Kerrs Rd, Avonside, Christchurch
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ZL3TZ	Mr N N Rio, 3 Rosenbay Rise, Henderson, Waitakere
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ZL3TCB	Mr C C Broadhurst, Address Withheld
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ZL3TFD	Mr D Rhodes, Address Withheld
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ZL3TGN	Mr G W Nalder, Address Withheld
ZL3TGR	Mr Ian David Timewell, Address Withheld

ZL3TGS	Mr A J Oliver, Flat 2 32B Huntsbury Ave, Christchurch 2
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ZL3TIQ	Mr D R Mccorkindale, Address Withheld
ZL3TIV	Mr Ivan Van Hoof, Address Withheld
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ZL3TJX	Mr T J Laughton, Address Withheld
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ZL3TKZ	Mr P J Grumball, 52 Newnham St, Rangiora
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ZL3TPQ	Mr M Trump, 60 Beach Road, Ashburton
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ZL3TPT	Mr B N Thompson, 18 Gunns Cres, Christchurch 8002

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ZL3TQD	Mr J G Roxburgh, 13 Pound St, Leeston	ZL3URN	Mr R Naeyaert, 65 Greenhamven Drive, Burwood, Christchurch
ZL3TQE	Mr M S Aitchison, 61 Longfellow St, Christchurch	ZL3URR	Mr H De Roode, PO Box 35-151, The Palms, Christchurch
ZL3TQH	Mr R Wiltshire, C/O Burnside High School, Greers Road, Christchurch 5	ZL3USA	Mrs A P May, 30 Nikau Place, Timaru
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ZL3TRI	Mr J A Graham, 18 Riverton Tce, Halswell, Christchurch	ZL3USR	Mr S Reynders, 393 Barbadoes Street, Christchurch
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ZL3TRS	Mr Sean Moran, 38 Colesbury Street, Bishopdale, Christchurch	ZL3UXT	Mr G D J Mackley, PO Box 12-926, Penrose, Auckland 1135
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ZL3TSD	Mr Tony Duxbury, 76 Regency Crescent, Redwood, Christchurch	ZL3VC	Mr P T McLaughlin, 42 Domett St, Westport
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ZL3TSW	Mr S D Webb, 3 Somerville Lane, Brightwater, Nelson	ZL3VI	Mr B J Melhuish, 34 St Andrews Hill Rd, Christchurch
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ZL3TTS	Mr L B Hayward, 45 Denise Cres, Hornby, Christchurch	ZL3VL	Mrs E M Jackson, 87 Main Road, Waihi Beach
ZL3TUI	Mr Brent Officer, 69 Cleveland Street, St Albans, Christchurch	ZL3VM	Mr D W T Wilson, 77 Allens Road, Ashburton
ZL3TUM	Mr B J Milne, Address Withheld	ZL3VN	Mr J N Bradley, 169 Weston Rd, Christchurch
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ZL3TUV	Mr S A Rooke, 7/12 Curson Place, Parklands, Christchurch 8009	ZL3VP	Mr G J Bradshaw, 163A Ashgrove Tce, Christchurch
ZL3TVA	Mr Jason Pieter Hoving, 24 Royal Park Drive, Parklands, Christchurch	ZL3VR	Mrs A S McMaster, 8A Harris Street, Waimate
ZL3TVB	Mr B Martin, 85 Canterbury Street, Lyttelton	ZL3VS	Mr M Uden, 77 Tankerville Rd, Hillorton, Christchurch
ZL3TVK	Mr Robin Donovan, 18 Glenview Terrace, Highfield, Timaru	ZL3VT	Mr Mark Sutton, 14 Belmont Street, Avondale, Christchurch
ZL3TVS	Mrs R Stubberfield, 138 Rutland St, St Albans, Christchurch 8005	ZL3VV	Christchurch West Amateur Radio Club, PO Box 31-095, Christchurch
ZL3TWH	Mr R M Burrows, 25A Esperance St, Christchurch 8005	ZL3VW	Mr I E Winskill, Caverhill, R D 1, Cheviot
ZL3TWM	Mr Wayne A McLachlan, 22 A Attlee Crescent, Bryndwr, Christchurch	ZL3VX	Mr R I Parry, 18 Sunvale Tce, Christchurch
ZL3UA	Mr F S T Mulholland, PO Box 21, Leithfield Beach	ZL3VY	Mr A P Dixon, 16 Kildare Tce, Lincoln
ZL3UD	Miss M E McConnachie, 210 Union Street, Milton 9250	ZL3VZ	Mr A J Paterson, 52 Cavendish Rd, Christchurch
ZL3UE	Mr R H Prattle, R D 2, Ellesmere Rd, Christchurch	ZL3VAA	Mr A P Orchard, 4 Wilson Drive, Ohoka, R D 2 Kaiapoi
ZL3UF	Mr B O Prue, 111 Union St, Christchurch	ZL3VAB	Mrs J Orchard, 4 Wilson Drive, Ohoka, R D 2 Kaiapoi
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ZL3UK	Mr Thad Julian, Address Withheld	ZL3VAL	Ms V Z Boote, 8 Hinton Rd, Karoro, Greymouth
ZL3UN	Mrs I D Gill, River Rd, Greenpark, R D 2, Christchurch	ZL3VAM	Mr P C Brook, 130 Kippenberger Avenue, Rangiora
ZL3UO	Mr R C A Genet, 67A Winters Rd, Christchurch	ZL3VAP	Mrs V A Petersen, 51 Derby St, Westport
ZL3UP	Mr M W McNicholl, 4 Corfe St, Christchurch	ZL3VAS	Ms L C Stephens, 78 Brougham St, Westport
ZL3UR	NZART South Canterbury Branch Inc, PO Box, 261, Timaru	ZL3VAT	Mr B R Axford, 94 Omoto Valley Rd, Kaiata, Greymouth 7823
ZL3UU	Mr M Gordon, 6 Macartney Avenue, Halswell, Christchurch 8003	ZL3VBC	Mr A Pratt, 30 Deepdale Street, Burnside, Christchurch
ZL3UX	Mr L L Vincent, Lismore, R D 5, Ashburton	ZL3VHF	New Zealand Association Of Radio Transmitters Inc, PO Box 40-525, Upper Hutt 6415
ZL3UZ	Mr C D McKenzie, 17 Hulverstone Drive, Christchurch	ZL3VII	Mr D A Sinclair, 17 Halls Place, Adelaide, South Australia
ZL3UAC	Mr A A Crosby, 13 Princes St, Waikari 8276	ZL3VIP	Mr I B McIsaac, The Shire, Powells Rd, Oxford 8253
ZL3UAD	Mrs A R Woodfield, 40B Seacliffe Road, Hillsborough, Auckland	ZL3VJP	Mr J J Paynter, 42 Fortune St, Christchurch
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ZL3UCD	Mr M P Andrews, 6 Manuel Place, Bishopdale, Christchurch	ZL3VLN	Mr L A D Neame, 13 Cowper Street, Greymouth
ZL3UCK	Mr C E L Blanchett, 59 Shakespeare St, Greymouth	ZL3VML	Mr M L Venter, 30 Manor Place, Bryndwr, Christchurch
ZL3UCM	Mr Caleb Manson, 138 Hoon Hay Road, Hoon Hay, Christchurch	ZL3VQR	Miss I Ramsay, P O Box 19, Middlemarch 9056
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ZL3UDR	Mr D W Robb, 78 Connaught Street, Blockhouse Bay, Auckland	ZL3WB	Mr Wayne Genet, Address Withheld
ZL3UDW	Mr D Wyse, 16 Arran Cres, Linwood, Christchurch	ZL3WC	Mr N J Reeves, 45 Orowaiti Rd, Westport
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ZL3UFO	Mr A J Fraser, PO Box 12, Waipara	ZL3WG	Mr J F Baird, 13A Charlesworth Street, Ferrymead, Christchurch
ZL3UGB	Mr G Barbour, 168 Pacific Rd, Christchurch 8009	ZL3WK	Mr K Wells, PO Box 514, Rangiora
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ZL3UGH	Mr G P Hancock, 5/29 O'Briens Rd, Christchurch	ZL3WO	Mr L D Welsh, 18 Woodland Place, Christchurch
ZL3UGT	Mr G C Turner, 83 Bridge Street, South New Brighton, Christchurch	ZL3WP	Buller High School Radio Club, 35 Derby St, Westport
ZL3UGY	Mrs R D Briggs, 32 Firth Street, Cobden, Greymouth	ZL3WR	Mr V E Martin, 51 Skerten Ave, Hornby, Christchurch 8004
ZL3UHF	New Zealand Association Of Radio Transmitters Inc, PO Box 40-525, Upper Hutt 6415	ZL3WS	Mr Willem Stein, 48 Cambria Street, Nelson
ZL3UHI	Mr L M Hardy, 67 Moore Street, Rolleston	ZL3WT	A Bettridge, PO Box 18-530, Christchurch
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ZL3ULW	Mr L Willum, 16 A Stanton Place, Woodend 8255, Christchurch	ZL3WY	Mrs J M Yeates, 69 St Andrews Hill Rd, Christchurch
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		ZL3WEJ	Mrs J A Moisaac, The Shire, Powells Rd, Oxford
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ZL3ZZZ	Mr D M McDonald, Knights Road, R D 5 Rolleston, Christchurch

ZL4 CALL-SIGNS

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ZL4AC	Mr A F Lowe, 287 Barrow St, Bluff
ZL4AD	Mr B J Cook, 38 Mill Road, Waimate, South Canterbury
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ZL4AH	Mr E G Scudamore, Fairview, Totness St, Green Island
ZL4AI	Mr J A King, 169 Carroll Street, City Rise, Dunedin 9001
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ZL4AK	Mr Luke Pickering, Address Withheld
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There are no space letters in the Continental Code	C, O, R, Y, Z, and & are composed of dots and spaces T is a short dash L is a longer dash Zero (0) is usually abbreviated to T
<p>Figures</p> <p>1 · - - - -</p> <p>2 · · - - -</p> <p>3 · · · - -</p> <p>4 · · · · -</p> <p>5 · · · · ·</p> <p>6 - · · · ·</p> <p>7 - - · · ·</p> <p>8 - - - · ·</p> <p>9 - - - · ·</p> <p>0 - - - - -</p>	<p>Figures</p> <p>1 · - - ·</p> <p>2 · · - · ·</p> <p>3 · · · - ·</p> <p>4 · · · · -</p> <p>5 - - - -</p> <p>6 - · · · · ·</p> <p>7 - - - · ·</p> <p>8 - - - · ·</p> <p>9 - - - -</p> <p>0 - - - -</p>
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Aland Is.	15	0H0	Heard Is.	39	VK0	Revilla Gigedo Is.	6	XR
Alaska	1	KL7	Honduras	7	VS6	Rodriguez Is.	39	3B9
Albania	15	3A	Hong Kong	24	VS6	Romania	20	YO
Algeria	33	7X	Howland Is.	31	KH1	Rota Is.	27	KH0
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Angola	36	D2.D3	Indonesia	25	YB.YC.YD	Saba Is.	8	PJ
Aran Is.	14	EJ0	Iraq	21	YI	St. Barthelemy	8	FJ
Argentina	13	EJ	Ireland	14	EI	St. Brandon Is.	39	3B7
Aruba	9	P4	Ischia	15	IC	St. Helena Is.	36	ZD7
Ascension Is.	36	ZD8	Isle of Man	14	GD	St. Martin Is.	8	FS
Auckland Is.	32	ZL	Israel	20	4X.4Z	St. Peter & St. Paul Rocks	11	PYP
Australia	29.30	VK	Italy	15	HZ	St. Pierre & Miquelon Is.	5	FP
Austria	15	OE	Ivory Coast	35	TU	Saipan Is.	27	KH0
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Capri Is.	8	IC	Libya	34	5A	Georgian S.S.R.	21	UF
Cayman Is.	8	ZF	Lichtenstein	14	HB0	Kazakh S.S.R.	17	UL
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Ceuta & Melilla (Spain)	33	EA9	Lord Howe Is.	30	VK2	Latvian S.S.R.	15	UM
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Chile	12	CE	Madagascar	39	5R	Turkmen S.S.R.	17	UH
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Clipperton Is.	7	FO	Malawi	37	7Q	Spain	17	EA
Cocos Is.	29	T9	Malaysia, West	28	9M2	Sri Lanka	22	EA
Cocos (Keeling) Is.	29	VK9Y	Maldives Is.	22	8Q	Sudan	34	ST
Colombia	9	HK	Mal	35	TZ	Surinam	9	P2
Comoros	39	D6	Malpelo	9	HK0	Svalbard Is.	40	JW
Congo	36	TN	Malta	15	9H	Swan Is.	7	HR0
Conway	32	3D2	Mal'y Vysotskiy Is.	16	4J	Swaziland	38	3D0
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Costa Rica	15	TI	Market Reef	15	0J0	Syria	20	YK
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Denmark	14	OZ	Midway Is.	31	KH4	Tonga Is.	32	A3
Djibouti	37	J2	Minami-Tori-Shima	27	JD1	Transkei	38	58
Dodecanese Is.	20	SV5	Monaco	14	3A	Trinidad & Tobago Is.	11	PY0
Dominican Republic	8	HI	Mongolia	23	JT	Trinidad & Tobago Is.	11	PY0
Easter Is.	12	CE0A	Morocco	35	CN	Tristan da Cunha Is.	38	ZD9
Ecuador	10	HC	Mozambique	37	C8.C9	Tromelin Is.	39	FR
Egypt	34	SU	Myanmar	26	XZ	Tunisia	33	3V
El Salvador	7	YS	Namibia	38	V5	Turkey	20	TA.TC
England	14	G	Nauru	31	C2	Turks & Caicos Is.	8	VP5
Equatorial Guinea	36	6	Navassa Is.	8	KP1	Tuscan Archipelago	15	IA
Estonia	15	UR.ES	Nepal	22	9N	Tuvalu Is.	31	
Ethiopia	37	ET	Netherlands	14	PA.PI	Uganda	37	5X
Faroe Is.	14	OY	Netherlands Antilles	8.9	PJ	United Arab Emirates	21	A6
Falkland Is.	13	YB	New Caledonia	32	FK	United Nations	5,14	4U
Fed. States of Micronesia	27	V6	Newfoundland (Canada)	5	VO1	United States of America	1,3,4,5,31	A.K.N.W
Fernando de Noronha	11	PY0	New Zealand	32	ZL	Uruguay	13	CX
Fiji Is.	32	3D2	Nicaragua	35	YN	Vanuatu	32	YJ
Finland	15	OH	Niger	35	5N	Vatican City	15	HV
France	14	FM	Nigeria	35	5N	Venezuela	9	VV
French Guiana	9	FY	Niue Is.	32	ZK2	Vietnam	26	5Y
French Polynesia	31,32	FO	Norfolk Is.	32	VK9N	Virgin Is. (British)	8	VP2V
Gabon	36	TR	Northern Ireland	14	GI	Virgin Is. (U.S.)	8	KP2
Galapagos Is.	10	HC8	Norway	14	LA.LJ	Wake Is.	31	KH9
Gambia, The	35	C5	Ogasawara Is.	27	JD1	Wales	14	GW
German Dem. Rep. (East)	14	Y2.Y9	Okinawa (Ryukyu Is.)	25	JR6	Wallis & Futuna Is.	32	PW
Germany, Fed. Rep. of (West)	14	DA.DP	Oman	21	A4	Walvis Bay	38	Z39
Ghana	35	9G	Pakistan	21	AP	Western Sahara	33	S0
Gibraltar	14	B22	Palmyra Is.	31	KH5	Willis Is.	30	VK9Z
Glorioso Is.	39	FR	Panama	7	HP	Windward Is.	30	
Gough Is.	38	ZD9	Pantelleria Is.	33	IH	Dominica	8	J7
Gozo (Malta)	15	9H4	Papua New Guinea	28	P2	Grenada	8	J3
Graham Land	13	LU.VP8	Paraguay	11	ZP	St. Lucia	8	J6
Greece	20	SV	Peru	10	OA	St. Vincent, Grenadines	8	J8
Greenland	40	OX	Philippines	10	DU.DZ.4F	Yemen (North)	21	4W
Guadeloupe	8	FG	Pitcairn Is.	32	VR6	Yemen (South)	21	4W
Guam	27	KH2	Poland	15	SP	Yugoslavia	15	YU
Guantanamo Bay	8	KG4	Portugal	14	CT	Yukon Territory (Canada)	1	VY1
Guatemala	14	GU	Prince Edward Is. (Canada)	5	VE1.VY2	Zaire	36	90
Guernsey, Bailiwick of	14	GU	Prince Edward & Marion Is.	38	ZS2	Zambia	36	9I.9J
Guinea-Bissau	35	3X	Puerto Rico	8	KP4	Zanzibar (Tanzania)	37	5H1
Guinea	35	3X				Zimbabwe	38	Z2
Guyana	9	8R						

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ZL4TGM Mr W A Black, West Coast Road, R D 1, Awanui 0552
ZL4TGP Mr R M Watson, 21 Arcus St, Whangarei
ZL4TQG Mr Brian Andrews, 14 Como Street, Maori Hill, Dunedin
ZL4TGT Mr A L Gerrie, 22 Marhill Terrace, Mornington, Dunedin
ZL4TGW Mr G W Wright, Address Withheld
ZL4THE Mr A W Booth, P O Box 36603, Merrivale, Christchurch 8146
ZL4THF Mr G G Burge, 34 Colmar Rd, Mellons Bay, Howick, Auckland 1705
ZL4THG Mr K J McAuliffe, P O Box 56, Kingston 9660
ZL4THJ Mr M J Rabbidge, Crayburn Farm, Graham Rd, R D 1, Tokanui
ZL4THN Mr I R Hannah, Address Withheld
ZL4THP Mr K J V Da-Rin, 141 Forbury Road, St Clair, Dunedin
ZL4THQ Mr G R Crimp, 31 Davies Rd, New Plymouth
ZL4THT Mr A R Blee, 7 Campbell St, Alexandra
ZL4THZ Mr C J Mclean, R D 1, Longbush, Invercargill
ZL4TID Mr G F Mcrae, 1 Hillcrest Ave, Maitaia 9690
ZL4TIE Mr B J Barber, R D 2, Glencoe, Invercargill
ZL4TIG Mr A R M Hill, 16 Wyre St, Kaitangata
ZL4TII Mr W E Peirson, 16 Gardiners Road, Bishopdale, Christchurch
ZL4TIK Mr A J Curline, 16 Derby St, Green Island
ZL4TIL Mr I J Drage, C/O 12 Grey Street, Invercargill 9501
ZL4TIM Mr N R Watson, 27 Reading Street, Christchurch 4
ZL4TIO Mr J S Moore, 10 Dalrymple St, Dunedin
ZL4TIR Mr P J Woodrow, 32 Baker St, Stirling 9200
ZL4TIY Mr G M Larooy, 85 Riverlea Estates Drive, Riverlea Estates, Belfast, Christchurch
ZL4TJP Mrs F A Askin, 408 Harewood, Bishopdale, Christchurch
ZL4TJR Mr J F Taylor, Address Withheld
ZL4TKK Mr R W Spence, 41 Black Rd, Otatara R D 9, Invercargill
ZL4TKM Mr Glenn Mitchell, 17 Kaka Road, St. Leonards, Dunedin
ZL4TKQ Mr N L A Tamplin, 58 Cooper St, Karori, Wellington
ZL4TKR Mrs G J Taylor, Address Withheld
ZL4TKS Mr E C Mason, 49 John St, Ranfurly 9171
ZL4TLE Mr L G Elliott, 36A Murano St, Dunedin

ZL4TLG Mr G S Mcconeche, 71 Heywood St, Invercargill
ZL4TNT Ms B M Grabowski, 53 Hillside Drive, Maoribanks, Upper Hutt
ZL4TPD Mr W P Dennison, 301 Ythan St, Invercargill
ZL4TPJ Mr P J Dixon, Address Withheld
ZL4TRM Mr R N McIennan, 161 Hall Road, Sawyers Bay, Dunedin
ZL4TRS Mr R A Sheat, Mclew St, Kennington R D 1, Invercargill
ZL4TRW Mr R D Codling, PO Box 23-639, Papatoetoe, Auckland 1701
ZL4TSM Mr S P Mann, 20 Markham Way, Rolleston
ZL4TSR Mr S R Forrester, 43 Thurso St, Invercargill
ZL4TUD Mrs N E Mcconnachie, P O Box 13146, Green Island, Dunedin
ZL4TUI Dr M Richardson, 196 Hill Road, Belmont Hills, Wellington 6009
ZL4TUX Mr G P Barkman, 31 Ascot Street, St Kilda, Dunedin
ZL4TWO Mr D J Clarkson, 22 Jackson St, Dunedin
ZL44TAR Mr J D Ingham, 138 Dowse Drive, Lower Hutt
ZL4UK Mr J B Jones, 2 Dudley Place, Maori Hill, Dunedin
ZL4US Mr M G Lambert, 38 Ayr St, Mosgiel
ZL4UDM Mr D S McKenzie, 33 Ailsa Street, Wallacetown, Invercargill
ZL4UHF Mr S J Aldridge, R D 4, Underwood, Invercargill
ZL4UJC Mr J C Cunningham, 11 Sandown Street, Waiholia, South Otago
ZL4UPB Patrick A Ball, University Of Auckland, Private Bag 72019, Auckland
ZL4VK Mr C H Rushby, P O Box 531, Dunedin
ZL4VM Mr V T Marris, 7 Meridian St, Port Chalmers
ZL4VV Mr C M Kempson, 11-A Everest Avenue, Lower Hutt
ZL4VW Mrs V R Williams, 22 Sword Street, Gore
ZL4VAB Mrs R M Wilden, 46 Hocken St, Kenmure, Dunedin
ZL4VAC Mr D Bootsma, 8 Selwyn St, Oamaru
ZL4VAD Mr J W Meikle, 15 Girvan St, Oamaru
ZL4VAP Mr A D Popham, 47 Kelso Cres, Invercargill
ZL4VAQ Mr J W Needham, 2/232 Spey Street, Invercargill
ZL4VCS Mr C D Stephen, 53 Antimony Cres, Cromwell
ZL4VDF Mr D N Findlater, 41 Montague St, Dunedin
ZL4VDM Mr D R Miller, 34 Herron St, Brockville, Dunedin
ZL4VEH Mr E J Hunt, 691 Portobello Rd, Broad Bay, Dunedin
ZL4VET Ms Christina Rock, 150 Atawhai Road, Massey University, Palmerston North
ZL4VGA Mr R G Anderson, 121 Elgin Rd, Mornington, Dunedin
ZL4VGV Mr G R Seidelin, 45 Elgin Road, Mornington, Dunedin
ZL4VGV Mr D Bain, Address Withheld
ZL4VJS Mr J C Shand, 34 Bayview Road, Woodend, R D 1, Invercargill
ZL4VOW Mr O Watson, 103 Braeview Cres, Dunedin
ZL4VPM Mr V P Mortimer, 210 Mcpherson Road, R D 6H, Oamaru
ZL4WA Mr J R Scott, 93 Wills Street, Ashburton
ZL4WAH Mrs A H Watson, 114 Cannington Rd, Dunedin

ZL5, ZL6, ZL7, ZL8, ZL9 & ZM CALL-SIGNS

ZL5SB	Mr G A Chapman, 8 Boys Place, Christchurch	ZL6R	New Zealand Association Of Radio Transmitters Inc, PO Box 40-525, Upper Hutt 6415
ZL6A	New Zealand Association Of Radio Transmitters Inc, PO Box 40-525, Upper Hutt 6415	ZL6RFA	New Plymouth Amateur Radio Club, C/O T.E.M.O., 45 Robe St, New Plymouth
ZL6B	New Zealand Association Of Radio Transmitters Inc, PO Box 40-525, Upper Hutt 6415	ZL6SAT	AMSAT-ZL, C/- NZART, PO Box 40-525, Upper Hutt
ZL6CC	NZART Marlborough Branch 22 Inc, PO Box 432, Blenheim	ZL6YL	Nz Women Amateur Radio Operators, C/O Mrs Jn O'Donnell, 39 Lismore St, New Plymouth
ZL6FF	FISTS Club - Nz Chapter, C/- 12C / 186 The Terrace, Wellington 6001	ZL6ZA	NZART Manawatu Branch Inc, PO Box 1718, Palmerston North
ZL6IW	New Zealand Association Of Radio Transmitters Inc, PO Box 40-525, Upper Hutt 6415	ZL75HV	NZART Hutt Valley Branch Inc, PO Box 30-519, Lower Hutt
ZL6JAM	NZART Christchurch Branch 05 Inc, PO Box 1733, Christchurch	ZL75KO	NZART Manawatu Branch Inc, PO Box 1718, Palmerston North
ZL6KCM	Kapiti Coast Museum Waikanae Inc, 9 Elizabeth Street, Waikanae 6010	ZL7KO	NZART Manawatu Branch Inc, PO Box 1718, Palmerston North
ZL6LH	Mr D F Karrasch, 24 Brooke Rd, Papakura, Auckland	ZL7M	David Burger, PO Box 37, St Leonards, New South Wales
ZL6LHW	Upper Hutt Branch NZART Inc, C/- 35 Matai Road, Raumati South 6010	ZL7TK	Mr T Kamana, P O Box 16, Waitangi, Chatham Islands
ZL6LIT	Hamilton Amateur Radio Club (Inc), PO Box 606, Hamilton	ZL80WB	Wellington Amateur Radio Club Inc, PO Box 6464, Marion Square, Wellington
ZL6NS	Wellington Vhf Group Inc, PO Box 12-259, Wellington	ZL8R	Microlite Penguins DXpedition Team, C/- Chris Hannagan, Fraters Rd, R D 1
ZL6OTC	New Zealand Old Timers Club (ZL), 25 Annandale Street, New Plymouth	ZL9BAG	Mr P J Martin, 2/21 Wanganui Avenue, Herne Bay, Auckland
ZL6QH	Wellington Amateur Radio Club Inc, Wellington Amateur Radio Club Inc, P O Box 6464, Marion Square	ZL9BSJ	Mr Wilbert Knol, Address Withheld
		ZM2E	Wellington Amateur Radio Club Inc, NZART, PO Box 40525, Upper Hutt

OVERSEAS MEMBERS

EA2SN	Iza J, A Gasteiz 48-7, E-01008 Vitoria-gasteiz, Spain	VK6JKR	Richards J K, 8 Orangedale Road, Lesmurdie WA, Australia 6076
G4JVJ	Ashman R P, 44 Conan Doyle Walk, Swindon, Wiltshire UK SN3 6JB	VK7ZAL	Milne R C, 11 Clifford Street, Moonah Tasmania, Australia 7009
G4XRV	Bullock R, Putnams, Hawridge Common, Bucks UK HP5 2UQ	W6ZH	Hoover 111 H, 1520 Circle Drive, San Marino, California, USA 91108
PY2DM	Yoshizawa M, R.Part.Souza Lead 26, 05453 070 Sao Paulo, Brazil	ZL2DN	Lucas D C, P O Box 283, Pacific Harbour, Fiji
SP7OGU	Karszniewicz A, P O Box 2147, Clarkeson, Western Australia 6030	ZL2GE	Evans G R, 570 Royal Esplanade, Manly, Brisbane, Australia 4179
VE7BFK	Young G D, 2850 Queenston Street, Victoria B C, Canada V8R 4P3	ZL2NE	Douglass W S, 58 Halden Crescent, Spruce Grove Alberta, Canada
VK2ER	Wilson R L, 597 Canobolas Road, Orange, New South Wales Australia 2800	ZL2WN	Guppy R P, P O Box 1028, Nathan Street, Brighton, QLD Australia 4017
VK4UL	Patchett P B, 8 Fairway Drive, Clear Island Waters, Queensland, Australia 4226	ZL2NAK	Knapton ** N A, 4 Crabmill Lane, Easingwold, York UK YO 613DE
VK4VU	Jones D L, P O Box 210, Rubyvale, QLD, Australia 4702	ZL2TSP	Salt B R, PO Box 1632, Capelba , Queensland, Australia 4157
VK6KW	Lockley B, 22 Pembroke Street, Bicton, WA, Australia 6157	ZL3AW	Phillips M A, P O Box 398, Coonabarabran, NSW, Australia 2357
VK6WT	Couch D, 9 The Grove, Wembley, West Australia, Australia 6014	ZL3GD	Donovan G J, P O Box 191, MPC BB3577, BSB Brunei
VK7JK	Rogers J, 1 Darville Court, Blackmans Bay TAS, Australia 7052	ZL3KV	Brown H H, 77 The Avenue, Sunnybank Hills Brisbane, Qld Australia 4109
VK2AFW	Mawhinney P E, P O Box 786, Strathfield NSW Australia 2135	ZL4PG	Lloyd D A, PO Box 326, Jurien bay, WA, Australia 6516
VK2KYJ	Grant L J, 45 Monash Street, Wentworthville Australia 2145	ZL4TS	Smith J W, PO Box 167, Indianola, Washington USA 98342- 0167
VK3ADZ	Pretty L, P O Box 7, Blackburn, Victoria, Australia 3130		
VK4FNB	Cooksley G, P O Box 28, James Cook University, Queensland, Australia 4811		

NEW ZEALAND AMATEUR RADIO STATIONS NON-TRANSMITTING MEMBERS

Bell D, PO Box 43, Otaki 5542
 Bennett R B, Circle Hill Road, RD 1, Milton 9291
 Conway C, Caseys Road, RD, Seddon, 7353
 Coutts W E, 50 Cooper Street, Karori, Wellington 6005
 Ellis G P, 74 Le Cren Street, Timaru 8601
 Gilbert B, 27 Wyndham Road, Pinehaven, Upper Hutt 5018
 Gray R G, Paierau Road, RD 1, Masterton 5921
 Johnson K M, 7 Pinehaven Road, Upper Hutt 5019
 Johnson L, 15 Field Street, Silverstream, Upper Hutt 5019
 Johnson L M, 15 Field Street, Upper Hutt 6007
 Johnson M, 15 Field Street, Silverstream, Upper Hutt 5019
 Johnson M E, 15 Field Street, Upper Hutt 6007

Lambert R E, 15 Wither Road, Blenheim 7301
 Lennox A E, 33 Greendale Road, Darfield 8172
 Low S K, P O Box 112-167, Penrose, Auckland 1030
 McNeil D A, 33 Eivers Road, Whakatane 3080
 Nielsen R P, PO Box 389, Wairoa 4160
 Pritchard H R, 1-67 Gribblehirst Road, Sandringham, Auckland 1003
 Renner D M, 118 Te Haumi Drive, Paihia, Bay of Islands 252
 Sebire R W, 32 Neri Crescent, Rotorua 3201
 Strachan J W, 47 Morgans Road, Glenwood, Timaru 7910
 Webb W R C, 13 Rembrandt Avenue, Linden 6006
 Wiggins F G, P O Box 522, Tokoroa 2392

SOUTH PACIFIC AMATEUR RADIO LISTINGS

Fiji

3D2AA Aisake, A., P.O. Box 4969, Lautoka, Fiji
3D2AG de Ramon, A., P.O. Box 14-633, Suva
3D2BA Best, H. J., P.O. Box 698, Sigatoka
3D2CC Carter, T. F., Muscat Cove Resort
3D2CM Northcott, R. L., P.O. Box 1168, Suva
3D2CS Broadbridge, E. K., P.O. Box 1046, Suva
3D2DG Goodger, James, P.O. Box 11-407, Suva
3D2DI Smith, W. J., P.O. Box 184, Suva
3D2DN Lucas, David, P.O. Box 283, Pacific Harbour
3D2ER Singh, Raj, P.O. Box 184, Suva.
3D2ES Saphore, Edward, P.O. Box 12-758, Suva
3D2JO Turaganivalu, J., 14 Alexander Street, Suva
3D2KM MacKinnon, K., c/- F.S.C, P.O.Box 63, Lautoka
3D2LD Damuni, Savenca, P.O. Box 90, Suva
3D2MP Prakash, M., P.O. Box 5324, Raiwaqa
3D2PS Schulz, A. F. P., P.O. Box 5372, Raiwaqa
3D2SS First Suva Scout Group, P.O. Box 2344, Government Buildings, Suva
3D2UR USP Amateur Radio Club, P.O.Box 1168, Suva
3D2YL Blisard, Karen S., P.O. Box 2474, Suva

Cook Islands

E51AGY Marr, Tony C/- ZL2AGY
E51AM Morris, Alfred E.
E51AQ Malcolm, Roger, PO Box 7, Areora, Atiu Island
E51BS C Is. Boy Scouts, PO Box 491, Rarotonga
E51CG Rivera, Victor, PO Box 618, Black Rock, Rarotonga
E51DD Clarke, Des, Aitutaki Island, South Cook Islands
E51DG Kristensson, Jan
E51JD Ditchburn, Jim, PO Box 491, Rarotonga
E51KH Holdom, Ken, c/- ZL4HU, P O Box 7, Clyde, Central Otago 9180, New Zealand, z12hu@clear.net.nz
E51TW Wichman, Tomoavao, PO Box 129, Rarotonga
E51USA Rivera, Victor, PO Box 618, Rarotonga
E51WL Latham, Warwick, Omoka, Penrhyn Island

New Caledonia

FK1RO Szymanski, Pascal, Box 11-451, 98802, Noumea
FK1TK Rainer, Henri, 190 rue Boutmy, Box 4608, 98847, Noumea
FK1TV Flotat, Leon, Box 3690, 98846, Noumea
FK1UB Morignat, Claude, 64 Route Anse-Vata, 98800, Noumea
FK1UL Jauneau, Jean-Claude, Box 2100, Pont des Francais, 98810, Mont Dore
FK1UM Janisel, Robert, Box 917, 98830, Koutio
FK1UW Tardivel, Gouvlen, 1 rue Henry Boissery, Box 1529, 98845, Noumea
FK8AH Garbe, Robert, Box 4490, 98847, Noumea
FK8AL Garbe, Jean, Box 3994, 98846, Noumea
FK8BG Cullell, Gilbert, 6 bis rue Charbonneaux, 98800, Noumea
FK8BN Thiriet, Guy, Box 1491, 98845, Noumea
FK8BR Ynet-Mine, Maurice, 98825, Pouembout
FK8CA Gouillard, Alain, Box 238, 98840, Tontouta
FK8CC Deramane, Simon, Box 7514, 98801, Noumea
FK8CP Touzard, Remi, Box 945, 98845, Noumea
FK8DD Torope, Samuel, Box 3040, 98846, Noumea
FK8DI Rabu, Dominique, 5 rue C. Savoie, 98800, Noumea

FK8DJ Kryger, Jean-Claude, 21 rue Charbonneau, 98800, Noumea
FK8DL Roussel, Jean-Claude, Box 8585, 98807, Noumea
FK8DM Thouvay, Gilles, Box 2016, 98846, Noumea
FK8EB Pesnel, Henri, Box 9754, 98807, Noumea
FK8EF Martin, Arsene, Box 3519, 98846, Noumea
FK8ET Dufermon, Jean-Michel, Box 3859, 98846, Noumea
FK8FA Tuband, Aimee, via VK4CTA
FK8FB Debien, Lionel, Box 428, 98845, Noumea
FK8FC Tourette, Michel, Box 2309, 98846, Noumea
FK8FG Lepelletier, Bernard, Box 6258, 98806, Noumea
FK8FI Nagle, Alain, QSL to F6FNU
FK8FK Torregrosa, Jean-Philippe, Box 8485, 98807, Noumea
FK8FL Gazengel, Albert, Box 4561, 98847, Noumea
FK8FO Chanaron, Jean-Paul, Box 7133, 98801, Noumea
FK8FR Nixon, John, Box 2319, 98846, Noumea
FK8FS Todori, Georges, 47 rue du Dr. Drayton, 98800, Riviere Salee
FK8FX Mercier, Yvon, 16 rue Gal Sarraill, 98800, Noumea
FK8FZ Blanchet, Yves, Box 11490, 98802, Noumea
FK8GF Millot, Alexandre, Box 3977, 98846, Noumea
FK8GJ Bourez, Marc, only QSL to F6CXJ
FK8GM Esposito, Eric, Box 4480, Noumea, 98847, or via WB2RAJ
FK8GN Allegret, Alain, Box 133, 98850, Koumac
FK8GO Kherzi, Michel, via VK4CKM
FK8GT Debien, Philippe, Box 8340, 98807, Noumea SUD
FK8GU Marrades, Jacques, Box 3528, 98846, Noumea
FK8GW Enrico, James, Box 6008, 98806, Riviere Salee
FK8GX Mahault, Michel, Box 955, 98870, Bourail
FK8GY Bouleau, Joel, Box 7219, 98801, Noumea
FK8GZ Gaveau, Emile, Box 2005, 98846, Noumea
FK8HA Lefebvre, Patrice, Box 74, 98830, Dumbea
FK8HC Petitjean, Franck, only via VK4FW
FK8HF Pebellier, Michel, 12 bis Rue Bureau V D C, 98800, Noumea
FK8HG Tual, Robert, Box 9053, 98807, Noumea
FK8HH Roussel, Odile, Box 8585, 98807, Noumea
FK8HM Pesque, Eric, 20 rue de la Riviere, Pointe aux Longs cous, 98800, Noumea
FK8HN Lavis, Didier, Box KO 1412, 98830, Dumbea
FK8HP Hertzog, Pascal, Box 6005, Riviere Salee 1, 98806, Noumea
FK8HQ Said, Eric, 12 bis rue E. Mercier Vdc, 98800, Noumea
FK8HS Rieux, Christine, Box 7325, 98801, Noumea
FK8HW Poitvin, Thibault, only via VK4FW
FK8HZ Bunel, Maurice, 6 Rue Barleux, 98800, Noumea
FK8KAB A.R.A.N.C., Box 3956, 98846, Noumea
FK8KBS A.R.A.N.C. BBS, Box 3956, 98846, Noumea.
FK8KRU A.R.A.N.C., Box 3956, 98846, Noumea
FK8PCT ATRASEC, Box 2793, 98846, Noumea
FK8ZHA Repeater, Box 3956, 98846, Noumea
FK8ZHB Repeater, Box 3956, 98846, Noumea

Solomon Islands

H44GP Pearson, G., P.O. Box 292, Honiara
H44GR Richardson, G., P.O. Box 127, Honiara
H44MS Steffen, B., see DL2GAC
H44NC Caisson, N., P O Box 168, Munoa
H44PT Taylor, P, see G8BCG
H44SI Solomon Island Radio Society, P.O. Box 418, Honiara
H44XJA Ashley, J., P.O. Box 986, Honiara

BRANCH & ORGANISATION CALL-SIGNS

ZL1AA	2	NZART Auckland Branch Inc	Mr D M Webster
ZL1AB	29	North Shore Branch 29 NZART	Mr M J Sheffield
ZL1AC	3	Western Suburbs Radio Club Inc	Mr J B Moore
ZL1AM	28	Whangarei Amateur Radio Club	Mr D T Ewen
ZL1BL	17	Huntly Branch 17 Amateur Radio Club	Mr R M Wahrlich
ZL1BN		Northern Dx Association	Mr M K Woodfield
ZL1BQ	66	Auckland Vhf Group (Inc.)	Mr J R Dunn
ZL1BY	72	Opotiki Amateur Radio Club	Mr S P Winder
ZL1CB	40	NZART Te Awamutu Branch 40	Mr M W Brown
ZL1DF	41	Thames Branch NZART Inc	Mr T L Bateman
ZL1FU	80	Hibiscus Coast Amateur Radio Club Inc	Mr C J Billing
ZL1HK		South Auckland Repeater Group	Mr I D Walker
ZL1HP	4	Cambridge Amateur Radio Club	Mr S J Rowe
ZL1IB	53	NZART Te Puke Branch Inc	Mr M R Neno
ZL1IS	81	Waikato Vhf Group (Inc)	Mr S J Rowe
ZL1IZ	55	Waitomo Branch 55 NZART (Inc)	Mr I M Howitt
ZL1KW	67	NZART Kawerau Branch	Mr G R Whitwell
ZL1QB	21	Manukau Radio Club	Mr G J Greaves
ZL1QW	43	Waihi & District Branch NZART Inc	Mr O J Morgan
ZL1RF	44	Matamata Amateur Radio Club	Mr J W Rasmussen
ZL1SA	10	Franklin Amateur Radio Club Inc	Mr M A S Armstrong
ZL1TB	79	Howick & Districts Radio Club	Mr H R T Henderson
ZL1TP	39	Tauranga Amateur Radio Club Inc	Mr G L Fendley
ZL1UX	12	Hamilton Amateur Radio Club (Inc)	Mr R Holdsworth
ZL1VK	65	Papakura Radio Club Inc	Mr G S Reed
ZL1WK	51	NZART Eastern Bop Branch	Mr D M Reid
ZL1ACS		Ken Clarke Radio Club	Mr P L Granger
ZL1BCO	60	NZART Taupo Branch	Mr I G Greaves
ZL1BOI	84	Bay of Islands Amateur Radio Club (Inc)	Mr N L Wallace
ZL1CCT	83	NZART Raglan Branch 83 Inc	Mr W S Gilbert
ZL1FND	78	Far North District Amateur Radio Club	Mr R J Evans
ZL1KDX		Amateur Radio Field Station Group	Mr P F Manley
ZL1MCC		Manukau City Council (Civil Defence)	Mr M R Lowry
ZL1MUA		Massey University Leo Satellite Ground Station	Mr A G Kennedy
ZL1REG		Radio Electronics Group	Mr J T Lisignoli
ZL1RMC		Rosmini College Parent Teachers Friends Association (Incorporated)	Mr M H Cummin
ZL1ROD	71	Rodney Amateur Radio Club Inc	Mr I H Spackman
ZL1ROT	33	Rotorua Branch 33 (NZART) Inc	Mr E C Bretherton
ZL1SEA		The Australian Naval Amateur Radio Society	Mr N A Nobbs
ZL1SEA		A.N.A.R.S. The Australian Naval Amateur Radio Society	Mr A E Locke
ZL1SKC		Saint Kentigern College	Mr K D Ferguson
ZL1WCD		Waitakere Civil Defence Radio Club	Brian Huggard ZL1MW 12 McClintock Rd Auckland 0614
ZL1ZLD	86	Suburban Amateur Radio Club Inc	Mr I D Walker
ZL1ZLF		Musick Memorial Radio Station Museum	Mr I D Walker
ZL1ABCD		Auckland Contest Club (Acc)	Mr J Calvo
ZL2M		East Coast Contesters	Mr L F Jennings
ZL2AA	11	Gisborne Amateur Radio Club Inc	Mr R A Haisman
ZL2AB	27	New Plymouth Amateur Radio Club	Mrs G C Gaudin
ZL2AS	13	Hastings Branch NZART (Inc)	Mr C W Lowes
ZL2DS	16	Horowhenua Branch 16 NZART	Mr G Leslie
ZL2GK	24	Motueka Branch NZART	Mr J Jackson
ZL2GT	25	Napier Amateur Radio Club Inc	Mr L J Winton
ZL2HV	18	NZART Hutt Valley Branch Inc	Mr B E Wright
ZL2IB	6	Taranaki District Radio Club	Mr O D Turner
ZL2JA	48	Wanganui Branch NZART	Mr B E Stewart
ZL2KB	69	NZART Kapiti Branch Inc	Mr G A Anderson
ZL2KO	20	NZART Manawatu Branch Inc	Mr P J Moore
ZL2KS	22	NZART Marlborough Branch 22 Inc	Mr G R Simpson
ZL2MG	45	Waimarino Branch NZART	Mr G W Luscombe
ZL2NX		Kiwi Contest Group	Mr M J French
ZL2OA	46	NZART Wairarara	Mr C G Coutts
ZL2PT	19	Inglewood Branch 19 NZART	Mr C J Martin
ZL2QF	87	South Taranaki (Inc.)	Mr R J Clarkson
ZL2QF	54	NZART Patea Branch Inc	Mr R J Clarkson
ZL2QH		NZ Association of Radio Transmitters Inc	Mr Ralph Sutton
ZL2RN		Royal Naval Amateur Radio Society NZ Branch	Mr N A T Hardy
ZL2RS		Royal Signals Amateur Radio Society	Mr C M Kempson
ZL2TO	47	NZART Waitara Branch Inc	Mr L E Smart
ZL2VH	63	Upper Hutt Branch NZART Inc	Mr M E Vile
ZL2WA	74	Wellington Vhf Group Inc	Mr P R Williams
ZL2WB	50	Wellington Amateur Radio Club (Inc.)	Mr Ralph Sutton
ZL2WB		New Zealand Association of Radio Transmitters	Mr Ralph Sutton
ZL2AFV	42	Titahi Bay Amateur Radio Club Inc	Mr P B Lake
ZL2AJZ		Massey University (Electronics)	Mr A G Kennedy
ZL2AMR	70	Feilding & Districts Radio Club	Mr M S Prior
ZL2AMS	23	Marton Branch NZART	Mr T F Rubery
ZL2ANN	32	Opunake Radio Club, Inc Rahotu Branch NZART	Mr H J Gorton

ZL2ARG	26	NZART Nelson Branch Inc	Mr A W Lyford
ZL2LHW	63	Upper Hutt Branch NZART Inc	Mr M E Vile
ZL2SWR	82	Southern Wairarapa Branch NZART	Mr R A Pearce
ZL2WRC		Wairarapa College Radio Club	Mr I Stewart
ZL3AC	5	NZART Christchurch Branch 05 Inc	Mr J E Hirtzel
ZL3AF	1	Ashburton Branch NZART	Mr K W Stirling
ZL3GY	49	Westland Branch NZART	Mr J B Boyes
ZL3RR	68	North Canterbury Amateur Radio Club	Mr D J Fraser
ZL3UR	34	South Canterbury Branch Inc	Mr S Z Moffatt
ZL3VV	56	Christchurch West Amateur Radio Club	Mr C D Borgfeldt
ZL3WP		Buller High School Radio Club	Mr C M Petersen
ZL3ADG		Burnside High School Radio Club	Mr D J Ruddle
ZL3BRC	62	Reefton-Buller Branch NZART	Mr J H Bromley
ZL3CAR		Canterbury Amateur Radio Development Society Incorporated	Mr M S Barnes
ZL3RNL		Rangiora New Life School Amateur Radio Club	Mr J M Berends
ZL3RPS		Radio Preservation Society of NZ (Ferryhead) Inc	Mr K L Brice
ZL4AA	30	NZART Otago Branch Inc	Mr L A Ross
ZL4AL	8	Eastern Southland Branch NZART Inc	Mr A N Allan
ZL4GQ	37	NZART Southland Branch Inc	Mr R N Checketts
ZL4JF	35	NZART South Otago Branch 35	Mr L C Gray
ZL4NQ	75	NZART Queenstown Branch 75 Inc	Mr K C Kibblewhite
ZL4OO	61	NZART Central Otago Branch Inc	Mr R A Baird
ZL4OU	64	NZART North Otago Branch 64	Mr D J Browne
ZL4FUN		NZART HQ	Mrs D Morgan
ZL4KHS		Kings High School Radio Club	Mr K A Hand
ZL6A		New Zealand Association of Radio Transmitters Inc	Mr J A Meachen
ZL6FF		Fists Club - NZ Chapter	Mr N A T Hardy
ZL6YL		NZ Women Amateur Radio Operators	Mrs L J Gilchrist
ZL6KCM		Kapiti Coast Museum Waikanae Inc	Mr G A Anderson
ZL6LIT	12	Hamilton Amateur Radio Club (Inc)	Mr R Holdsworth
ZL6OTC		New Zealand Old Timers Club (ZL)	Mr P C Anderson
ZL6RFA	27	New Plymouth Amateur Radio Club	Mr G C Gaudin
ZL6SAT		AMSAT-ZL	Mr T D Carrell
ZL8R		Microlite Penguins DXpedition Team	Mr C C Hannagan

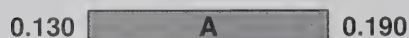
AMATEUR RADIO BAND USAGE

These charts show the New Zealand bandplans. **These bandplans are to ensure that your transmissions do not impose problems on other operators and that their transmissions do not impact on you. It is to the advantage of all operators that the published bandplans be used.** The Ministry of Economic Development (MED) defines the band limits, while the internal band segments are derived from the IARU Region 3 bandplans with New Zealand adaptations. The band limits are found in Radiocommunications Regulations (General User Radio Licence for Amateur Radio Operators) on the NZART web site in the Study Guide (Regulations) <http://www.nzart.org.nz/nzart/exam/> and at each end of the band blocks as shown below.

The IARU Region 3 bandplans, developed to meet international requirements, are at the IARU Region 3 web site. <http://www.jarl.or.jp/iaru-r3/r3bandplan.doc>

0.130 to 0.190 MHz – 1800 metres

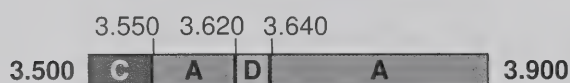
Radiated power must not exceed 5 W e.i.r.p.



1.800 to 1.950 MHz – 160 metres

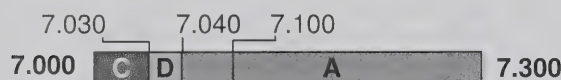


3.500 to 3.900 MHz – 80 metres



7.000 to 7.300 MHz – 40 metres

Amateur satellite service permitted 7.0 - 7.1 MHz.
7.1 to 7.3 MHz access is secondary to other users

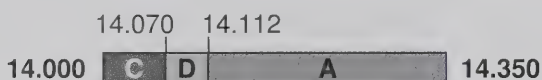


10.100 to 10.150 MHz – 30 metres



14.000 to 14.350 MHz – 20 metres

Amateur satellite service permitted 14.00-14.25 MHz



KEYS

- C** = CW or modes less than 1 kHz bandwidth
- A** = All modes with bandwidth less than 6 kHz
- D** = Data/packet, less than 6 kHz bandwidth
- 1** = Standard 1 MHz narrow band segment
- = ATV repeater outputs only – 50 cm
- = Telemetry or telecontrol only – 11 metres
- = Repeater input band segment
- = Repeater output band segment

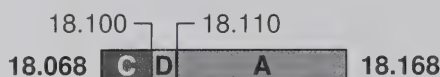
ATV = Amateur TeleVision, B = Beacons,
FM = FM simplex, S = Satellites, L = Link

The keys above also apply to the second page

NOTE: 1. The frequencies are in megahertz (MHz); 2. The frequencies at each end of the band blocks are the band limit frequencies; 3. The frequency, giving a point in a band, can be aligned in the centre or at the first or last digit; 4. Prepared by Jamie Pye ZL2NN August 2008 zl2nn@nzart.org.nz; 5. Download from <http://www.nzart.org.nz/nzart/repeaters/>

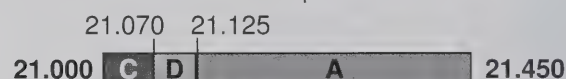
18.068 to 18.168 MHz – 17 metres

Amateur satellite service permitted in whole band



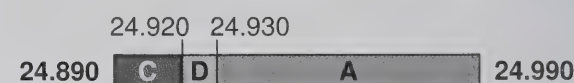
21.000 to 21.450 MHz – 15 metres

Amateur satellite service permitted in whole band



24.890 to 24.990 MHz – 12 metres

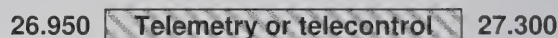
Amateur satellite service permitted in whole band



26.950 to 27.300 MHz – 11 metres

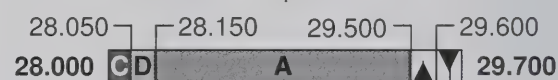
Telemetry or telecontrol only, 5 W e.i.r.p. maximum.

Also designated for Industrial, Scientific and Medical purposes



28.000 to 29.700 MHz – 10 metres

Amateur satellite service permitted in whole band

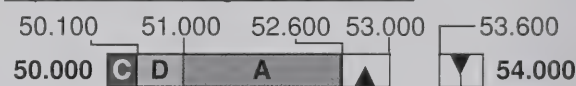


51.000 to 53.000 MHz – 6 metres

SSB/CW calling 52.05 MHz, FM calling 52.525 MHz. 53.6-54 MHz available for MED approved fixed transmitters.

MED permitted operation only 50-51 MHz. Refer to the *Additional Note* indexed in the Regulations part of the Study Guide on the NZART web page:

<http://www.nzart.org.nz/nzart/exam/>

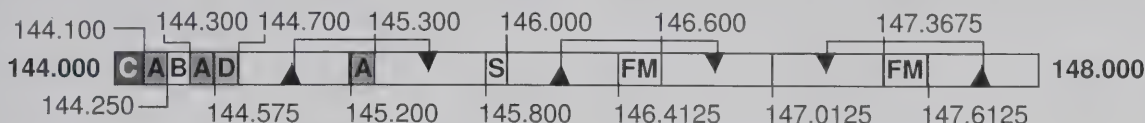


All the frequencies shown are in MHz

AMATEUR RADIO BAND USAGE

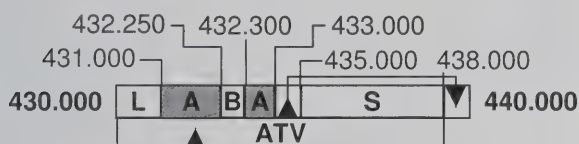
144.000 to 148.000 MHz – 2 metres

Amateur satellite service permitted in the range 144-146 MHz. Oceania SSB calling 144.1 MHz, ZL calling 144.2 MHz, FM calling 144.5 and 146.475 MHz. Primary packet/digipeater 144.65 MHz, other frequencies available. Below 147 MHz, repeater offset -600 kHz, otherwise +600 kHz; Beacons 144.250-144.300 MHz



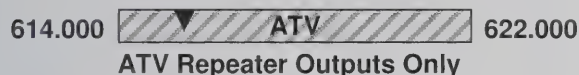
430.000 to 440.000 MHz – 70 cm

Amateur satellite permitted in the range 435-438 MHz. SSB calling 432.2 MHz, FM calling 432.5 MHz, Beacons 432.25-432.30 MHz. Primary packet/digipeater 432.65 MHz, other frequencies available. Repeater offsets -5 MHz in most cases, +5 MHz otherwise. In general, the ATV repeaters have an input frequency of 431.250 MHz vision, 436.750 MHz FM sound and 437.100 MHz NICAM sound



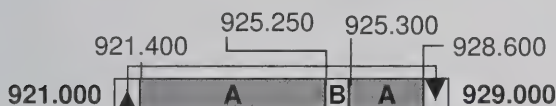
614.000 to 622.000 MHz – 50 cm TV CH 39

ATV vision carrier 615.25 MHz ITU(R) system G



921.000 to 929.000 MHz – 32 cm

Power 25 W e.i.r.p., SSB calling 925.2 MHz, FM calling 925.5 MHz. Beacons 925.25-925.30 MHz. Also designated for Industrial, Scientific and Medical



1240 to 1300 MHz – 23 cm

SSB calling 1296.2 MHz, FM calling 1296.5 MHz. Beacons 1296.25-1296.30 MHz. ATV video carriers 1241.25, 1249.25, 1275.25 and 1283.25 MHz ITU(R) system G. Repeaters -20 MHz offset. Amateur satellite service in band 1260-1270 MHz, uplink only



To find the narrow band segment bandplan for the microwave bands, please look for *Simplex and Calling Frequencies* that can be found elsewhere in this Call Book

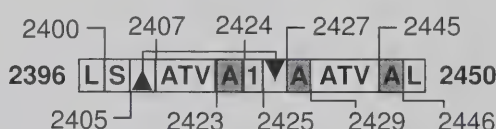
For key to codes see page 1

All the frequencies shown are in MHz

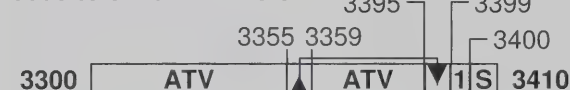
NOTE: 1. The frequencies are in megahertz (MHz); 2. The frequencies at each end of the band block are the band limit frequencies; 3. The frequency, giving a point in a band, can be aligned in the centre or at the first or last digit; 4. Prepared by Jamie Pye ZL2NN August 2008 zl2nn@nzart.org.nz; 5. Download from <http://www.nzart.org.nz/nzart/repeaters/>

2396 to 2450 MHz – 12 cm

Standard 1 MHz narrow band segment 2424-2425 MHz. SSB calling 2424.2 MHz, FM calling 2424.5 MHz. Beacons 2424.25-2424.30 MHz. ATV in segments 2408-2422 and 2432-2446 MHz, ITU(R) system B. Repeaters -20 MHz offset. Amateur satellite service in 2400-2450 MHz. 2400-2450 MHz is also designated for Industrial, Scientific and Medical (ISM) purposes

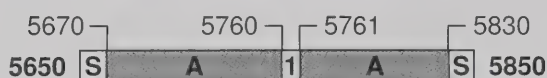


3300 to 3410 MHz – 9 cm

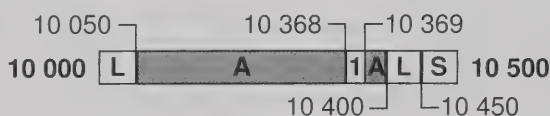


5650 to 5850 MHz – 5 cm

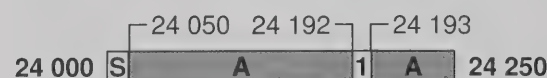
Satellites 5650-5670 MHz earth-to-space only; 5830-5850 MHz space-to-earth only



10 000 to 10 500 MHz – 3 cm

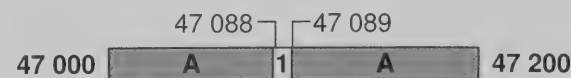


24 000 to 24 250 MHz – 1.2 cm



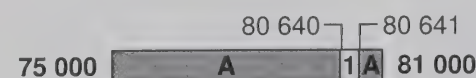
47 000 to 47 200 MHz – 6 mm

Amateur satellite available on the entire band



75 500 to 81 000 MHz – 4 mm

Amateur satellite available on the entire band



Printed on 21/08/2008 5:48 PM

DX CENTURY CLUB COUNTRIES LIST

QSL# Online 1993-8 - Revised January 2008 - Please do not remove or alter

The ARRL DXCC List is also available from our Publication Sales Department for \$5.95 each plus shipping. In addition to the List, the paper copy includes: the DXCC rules, DXCC Award Application, ARRL DXCC Card Checkers, Incoming and Outgoing QSL Bureau information and more.

Notes:

- * indicates current list of entities for which QSLs may be forwarded by the ARRL membership outgoing QSL service.
- # indicates entities with which US Amateurs may legally handle third-party message traffic.
- & Third-party traffic permitted with special-events stations in the United Kingdom having the prefix GB only, with the exception that GB3 stations are not included in this agreement.

Continent:

AF = Africa, AN = Antarctica, AS = Asia,
EU = Europe, NA = North America,
OC = Oceania, SA = South America

Zone Notes:

- (A) 33, 42, 43, 44
- (B) 67, 69-74
- (C) 12, 13, 29, 30, 32, 38, 39
- (D) 12, 13, 15
- (E) 19, 20, 29, 30
- (F) 20-26, 30-35, 75
- (G) 16, 17, 18, 19, 23
- (H) 2, 3, 4, 9, 75
- (I) 55, 58, 59

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Prefix	Entity	Cont.	ITU	CQ	Code
(1)	Spratl. Is.	AS	50	26	247
1A (1)	Sov. Mil. Order of Malta	EU	28	15	246
3A*	Monaco	EU	14	27	260
3B6, 7	Agalega & St. Brandon Is.	AF	53	39	004
3B8	Mauritius	AF	53	39	165
3B9	Rodriguez I.	AF	53	39	207
3C	Equatorial Guinea	AF	47	36	049
3C0	Annobon I.	AF	52	36	195
3D2*	Fiji	OC	56	32	176
3D2*	Conway Reef	OC	56	32	489
3D2*	Rotuma I.	OC	56	32	460
3DA#	Swaziland	AF	57	38	468
3V*	Tunisia	AF	37	33	474
3W, XV	Viet Nam	AS	49	26	293
3X	Guinea	AF	46	35	107
3Y*	Bouvet	AF	67	38	024
3Y*	Peter I. I.	AN	72	12	199
4J, 4K	Azerbaijan	AS	29	21	018
4L*	Georgia	AS	29	21	075
4O (47)*	Montenegro	EU	28	15	514
4S*	Sri Lanka	AS	41	22	315
4U ITU#*	ITU HQ	EU	28	14	117
4U UN*	United Nations HQ	NA	08	05	289
4W (44)	Timor - Leste	OC	54	28	511
4X, 4Z#*	Israel	AS	39	20	336
5A	Libya	AF	38	34	436
5B, C4, P3*	Cyprus	AS	39	20	215
5H-5I*	Tanzania	AF	53	37	470
5N*	Nigeria	AF	46	35	450
5R	Madagascar	AF	53	39	438
5T (2)	Mauritania	AF	46	35	444
5U (3)	Niger	AF	46	35	187
5V	Togo	AF	46	35	483
5W*	Samoa	OC	62	32	190
5X*	Uganda	AF	48	37	286
5Y-5Z*	Kenya	AF	48	37	430
6V-6W (4)*	Senegal	AF	46	35	456
6Y#*	Jamaica	NA	11	08	082
7O (5)	Yemen	AS	39	21	492
7P	Lesotho	AF	57	38	432
7Q	Malawi	AF 53		37	440
7T-7Y*	Algeria	AF	37	33	400
8P*	Barbados	NA	11	08	062
8Q	Maldives	AS/AF	41	22	159
8R#*	Guyana	SA	12	09	129
9A (6)*	Croatia	EU	28	15	497
9G (7)*	Ghana	AF	46	35	424
9H*	Malta	EU	28	15	257
9I-9J*	Zambia	AF	53	36	482
9K*	Kuwait	AS	39	21	348
9L#	Sierra Leone	AF	46	35	458
9M2, 4 (8)*	West Malaysia	AS	54	28	299
9M6, 8 (8)*	East Malaysia	OC	54	28	046
9N	Nepal	AS	42	22	369
9Q-9T*	Dem. Rep. of Congo	AF	52	36	414
9U (9)	Burundi	AF	52	36	404
9V (10)*	Singapore	AS	54	28	381

Prefix	Entity	Cont.	ITU	CQ	Code
9X (9)	Rwanda	AF	52	36	454
9Y-9Z#*	Trinidad & Tobago	SA	11	09	090
A2*	Botswana	AF	57	38	402
A3	Tonga	OC	62	32	160
A4*	Oman	AS	39	21	370
A5	Bhutan	AS	41	22	306
A6	United Arab Emirates	AS	39	21	391
A7*	Qatar	AS	39	21	376
A9*	Bahrain	AS	39	21	304
AP*	Pakistan	AS	41	21	372
B*	China	AS (A)	23,24		318
BS7 (11)	Scarborough Reef	AS	50	27	506
BV*	Taiwan	AS	44	24	386
BV9P (12)	Pratas I.	AS	44	24	505
C2	Nauru	OC	65	31	157
C3*	Andorra	EU	27	14	203
C5#	The Gambia	AF	46	35	422
C6	Bahamas	NA	11	08	060
C8-9*	Mozambique	AF	53	37	181
CA-CE#*	Chile	SA	14, 16	12	112
CE0#*	Easter I.	SA	63	12	047
CE0#*	Juan Fernandez Is.	SA	14	12	125
CE0#*	San Felix & San Ambrosio	SA	14	12	217
CE9/KC4**	Antarctica	AN (B) (C)			013
CM, CO#*	Cuba	NA	11	08	070
CN	Morocco	AF	37	33	446
CP#*	Bolivia	SA	12, 14	10	104
CT*	Portugal	EU	37	14	272
CT3*	Madeira Is.	AF	36	33	256
CU*	Azores	EU	36	14	149
CV-CX#*	Uruguay	SA	14	13	144
CY0*	Sable I.	NA	09	05	211
CY9*	St. Paul I.	NA	09	05	252
D2-3	Angola	AF	52	36	401
D4*	Cape Verde	AF	46	35	409
D6*# (13)	Comoros	AF	53	39	411
DA-DR (14)*	Fed. Rep. of Germany	EU	28	14	230
DU-DZ#*	Philippines	OC	50	27	375
E3 (15)	Eritrea	AF	48	37	051
E4 (43)	Palestine	AS	39	20	510
E5	N. Cook Is.	OC	62	32	191
E5	S. Cook Is.	OC	62	32	234
E7 (29)*	Bosnia-Herzegovina	EU	28	15	501
EA-EH*	Spain	EU	37	14	281
EA6-EH6*	Balearic Is.	EU	37	14	021
EA8-EH8*	Canary Is.	AF	36	33	029
EA9-EH9*	Ceuta & Melilla	AF	37	33	032
EI-EJ*	Ireland	EU	27	14	245
EK*	Armenia	AS	29	21	014
EL#*	Liberia	AF	46	35	434
EP-EQ*	Iran	AS	40	21	330
ER*	Moldova	EU	29	16	179
ES*	Estonia	EU	29	15	052
ET*	Ethiopia	AF	48	37	053
EU-EW*	Belarus	EU	29	16	027
EX*	Kyrgyzstan	AS	30, 31	17	135
EY*	Tajikistan	AS	30	17	262

Prefix	Entity	Cont.	ITU	CQ	Code
EZ*	Turkmenistan	AS	30	17	280
F*	France	EU	27	14	227
FG*	Guadeloupe	NA	11	08	079
FH ^{(13)*}	Mayotte	AF	53	39	169
FJ ^{(49)*}	Saint Barthelemy	NA	11	08	516
FK*	New Caledonia	OC	56	32	162
FK ⁽⁴⁵⁾	Chesterfield Is.	OC	56	30	512
FM*	Martinique	NA	11	08	084
FO ^{(16)*}	Austral I.	OC	63	32	508
FO*	Clipperton I.	NA	10	07	036
FO*	French Polynesia	OC	63	32	175
FO ^{(16)*}	Marquesas Is.	OC	63	31	509
FP*	St. Pierre & Miquelon	NA	09	05	277
FR/G ^{(17)*}	Glorioso Is.	AF	53	39	099
FR/J, E ^{(17)*}	Juan de Nova, Europa	AF	53	39	124
FR*	Reunion I.	AF	53	39	453
FR/T*	Tromelin I.	AF	53	39	276
FS*	Saint Martin	NA	11	08	213
FT/W*	Crozet I.	AF	68	39	041
FT/X*	Kerguelen Is.	AF	68	39	131
FT/Z*	Amsterdam & St. Paul Is.	AF	68	39	010
FW*	Wallis & Futuna Is.	OC	62	32	298
FY*	French Guiana	SA	12	09	063
G, GX*&	England	EU	27	14	223
GD, GT*	Isle of Man	EU	27	14	114
GI, GN*	Northern Ireland	EU	27	14	265
GJ, GH*	Jersey	EU	27	14	122
GM, GS*	Scotland	EU	27	14	279
GU, GP*	Guernsey	EU	27	14	106
GW, GC*	Wales	EU	27	14	294
H4*	Solomon Is.	OC	51	28	185
H40 ^{(16)*}	Temotu Province	OC	51	32	507
HA, HG*	Hungary	EU	28	15	239
HB*	Switzerland	EU	28	14	287
HB0*	Liechtenstein	EU	28	14	251
HC-HD#*	Ecuador	SA	12	10	120
HC8-HD8#*	Galapagos Is.	SA	12	10	071
HH#	Haiti	NA	11	08	078
HI#*	Dominican Republic	NA	11	08	072
HJ-HK, 5J-5K#*	Colombia	SA	12	09	116
HK0#*	Malpelo I.	SA	12	09	161
HK0#*	San Andres & Providencia	NA	11	07	216
HL, 6K-6N*	Republic of Korea	AS	44	25	137
HO-HP#*	Panama	NA	11	07	088
HQ-HR#*	Honduras	NA	11	07	080
HS, E2*	Thailand	AS	49	26	387
HV	Vatican	EU	28	15	295
HZ*	Saudi Arabia	AS	39	21	378
I*	Italy	EU	28,33	15	248
IS0, IM0*	Sardinia	EU	28	15	225
J2*	Djibouti	AF	48	37	382
J3#*	Grenada	NA	11	08	077
J5	Guinea-Bissau	AF	46,3	5	109
J6#*	St. Lucia	NA	11	08	097
J7#*	Dominica	NA	11	08	095
J8#	St. Vincent	NA	11	08	098
JA-JS*	Japan	AS	45	25	339
JD1 ^{(19)*}	Minami Torishima	OC	90	27	177
JD1 ^{(20)*}	Ogasawara	AS	45	27	192
JT-JV*	Mongolia	AS	32,33	23	363
JW*	Svalbard	EU	18	40	259
JX*	Jan Mayen	EU	18	40	118
JY#*	Jordan	AS	39	20	342
K,W,N,	United States of America	NA	6,3,4,7,8	5	291
AA-AK#					
KG4#*	Guantanamo Bay	NA	11	08	105
KH0#	Mariana Is.	OC	64	27	166
KH1#	Baker & Howland Is.	OC	61	31	020
KH2#*	Guam	OC	64	27	103
KH3#*	Johnston I.	OC	61	31	123
KH4#	Midway I.	OC	61	31	174
KH5#	Palmyra & Jarvis Is.	OC	61, 62	31	197
KH5K#	Kingman Reef	OC	61	31	134
KH6,7#*	Hawaii	OC	61	31	110
KH7K#	Kure I.	OC	61	31	138
KH8#*	American Samoa	OC	62	32	009
KH8 ^{(48)*}	Swains I.	OC	62	32	515
KH9#	Wake I.	OC	65	31	297
KL,AL,NL,WL#*	Alaska	NA	1,2	1	006
KP1#	Navassa I.	NA	11	08	182
KP2#*	Virgin Is.	NA	11	08	285
KP3,4#*	Puerto Rico	NA	11	08	202
KP5 ^{(22)*}	Desecheo I.	NA	11	08	043
LA-LN*	Norway	EU	18	14	266
LO-LW#*	Argentina	SA	14, 16	13	100
LX*	Luxembourg	EU	27	14	254

Prefix	Entity	Cont.	ITU	CQ	Code
LY*	Lithuania	EU	29	15	146
LZ*	Bulgaria	EU	28	20	212
OA-OC#*	Peru	SA	12	10	136
OD*	Lebanon	AS	39	20	354
OE#*	Austria	EU	28	15	206
OF-OI*	Finland	EU	18	15	224
OH0*	Aland Is.	EU	18	15	005
OJ0*	Market Reef	EU	18	15	167
OK-OL ^{(23)*}	Czech Republic	EU	28	15	503
OM ^{(23)*}	Slovak Republic	EU	28	15	504
ON-OT*	Belgium	EU	27	14	209
OU-OW, OZ*	Denmark	EU	18	14	221
OX*	Greenland	NA	5,75	40	237
OY*	Faroe Is.	EU	18	14	222
P2 ⁽²⁴⁾	Papua New Guinea	OC	51		28 163
P4 ^{(25)*}	Aruba	SA	11	09	091
P5 ⁽²⁶⁾	DPR of Korea	AS	44	25	344
PA-PI*	Netherlands	EU	27	14	263
PJ2, 4, 9*	Bonaire, Curacao(Neth. Antilles)	SA	11	09	085
PJ5-8*	St. Maarten, Saba, St. Eustatius	NA	11	08	255
PP-PY#*	Brazil	SA	(D)	11	108
PP0-PY0F#*	Fernando de Noronha	SA	13	11	056
PP0-PY0S#*	St. Peter & St. Paul Rocks	SA	13	11	253
PP0-PY0T#*	Trindade & Martim Vaz Is.	SA	15	11	273
PZ	Suriname	SA	12	09	140
R1FJ*	Franz Josef Land	EU	75	40	061
R1MV*	Mal'j Vysotskij I.	EU	29	16	151
S0 ^{(1),(27)}	Western Sahara	AF	46	33	302
S2*	Bangladesh	AS	41	22	305
S5 ^{(6)*}	Slovenia	EU	28	15	499
S7	Seychelles	AF	53	39	379
S9	Sao Tome & Principe	AF	47	36	219
SA-SM*	Sweden	EU	18	14	284
SN-SR*	Poland	EU	28	15	269
ST	Sudan	AF	48	34	466
SU	Egypt	AF	38	34	478
SV-SZ, J4*	Greece	EU	28	20	236
SV/A*	Mount Athos	EU	28	20	180
SV5, J45*	Dodecanese	EU	28	20	045
SV9, J49*	Crete	EU	28	20	040
T2 ⁽²⁸⁾	Tuvalu	OC	65	31	282
T30	W. Kiribati (Gilbert Is.)	OC	65	31	301
T31	C. Kiribati (British Phoenix Is.)	OC	62	31	031
T32	E. Kiribati (Line Is.)	OC	61, 63	31	048
T33	Banaba I. (Ocean I.)	OC	65	31	490
T5, 60	Somalia	AF	48	37	232
T7*	San Marino	EU	28	15	278
T8, ⁽²¹⁾	Palau	OC	64	27	022
TA-TC*	Turkey	EU/AS	39	20	390
TF*	Iceland	EU	17	40	242
TG, TD#*	Guatemala	NA	12	07	076
TI, TE#*	Costa Rica	NA	11	07	308
TI9#*	Cocos I.	NA	12	07	037
TJ	Cameroon	AF	47	36	406
TK*	Corsica	EU	28	15	214
TL ⁽³⁰⁾	Central Africa	AF	47	36	408
TN ⁽³¹⁾	Congo (Republic of the)	AF	52	36	412
TR ^{(32)*}	Gabon	AF	52	36	420
TT ⁽³³⁾	Chad	AF	47	36	410
TU ^{(34)*}	Cote d'Ivoire	AF	46	35	428
TY ⁽³⁵⁾	Benin	AF	46	35	416
TZ ^{(36)*}	Mali	AF	46	35	442
UA-UI,3,4,6	European Russia	EU	(E)	16	054
RA-RZ*					
UA2*	Kaliningrad	EU	29	15	126
UA-UI8,9,0	Asiatic Russia	AS	(F)	(G)	015
RA-RZ*					
UJ-UM	Uzbekistan	AS	30	17	292
UN-UQ*	Kazakhstan	AS	29- 31	17	130
UR-UZ, EM-EO*	Ukraine	EU	29	16	288
V2#*	Antigua & Barbuda	NA	11	08	094
V3#	Belize	NA	11	07	066
V4 ^{(37)*}	St. Kitts & Nevis	NA	11	08	249
V5*	Namibia	AF	57	38	464
V6 ⁽³⁸⁾	Micronesia	OC	65	27	173
V7#*	Marshall Is.	OC	65	31	168
V8*	Brunei Darussalam	OC	54	28	345
VE, VO, VY#*	Canada	NA	(H)	1-5	001
VK#*	Australia	OC	(I)	29,30	150
VK0#*	Heard I.	AF	68	39	111
VK0#*	Macquarie I.	OC	60	30	153
VK9C#*		OC	54	29	038

Prefix	Entity	Cont.	ITU	CQ	Code
VK9L#*	Cocos (Keeling) Is. Lord Howe I.	OC	60	30	147
VK9M#*	Mellish Reef	OC	56	30	171
VK9N*	Norfolk I.	OC	60	32	189
VK9W#*	Willis I.	OC	55	30	303
VK9X#*	Christmas I.	OC	54	29	035
VP2E ⁽³⁷⁾	Anguilla	NA	11	08	012
VP2M ⁽³⁷⁾	Montserrat	NA	11	08	096
VP2V ^{(37)*}	British Virgin Is.	NA	11	08	065
VP5*	Turks & Caicos Is.	NA	11	08	089
VP6#*	Pitcairn I.	OC	63	32	172
VP6 ^{(46)*}	Ducie I.	OC	63	32	513
VP8*	Falkland Is.	SA	16	13	141
VP8, LU*	South Georgia I.	SA	73	13	235
VP8, LU*	South Orkney Is.	SA	73	13	238
VP8, LU*	South Sandwich Is.	SA	73	13	240
VP8, LU,	South Shetland Is.	SA	73	13	241
CE9, HF0, 4K1*					
VP9*	Bermuda	NA	11	05	064
VQ9*	Chagos Is.	AF	41	39	033
VR*	Hong Kong	AS	44	24	321
VU*	India	AS	41	22	324
VU4*	Andaman & Nicobar Is.	AS	49	26	011
VU7*	Lakshadweep Is.	AS	41	22	142
XA-XI#*	Mexico	NA	10	06	050
XA4-XI4#*	Revillagigedo	NA	10	06	204
XT ^{(39)*}	Burkina Faso	AF	46	35	480
XU	Cambodia	AS	49	26	312
XW	Laos	AS	49	26	143
XX9*	Macao	AS	44	24	152
XY-XZ	Myanmar	AS	49	26	309
YA	Afghanistan	AS	40	21	003

NOTES:

- 1 Unofficial prefix.
- 2 (5T) Only contacts made June 20, 1960, and after, count for this entity.
- 3 (5U) Only contacts made August 3, 1960, and after, count for this entity.
- 4 (6W) Only contact made June 20, 1960, and after, count for this entity.
- 5 (70) Only contacts made May 22, 1990, and after, count for this entity.
- 6 (9A,S5) Only contacts made June 26, 1991, and after, count for this entity.
- 7 (9G) Only contacts made March 5, 1957, and after, count for this entity.
- 8 (9M2,4,6,8) Only contacts made September 16, 1963, and after, count for this entity.
- 9 (9U, 9X) Only contacts made July 1, 1962, and after, count for this entity.
- 10 (9V) Contacts made from September 16, 1963 to August 8, 1965, count for West Malaysia.
- 11 (BS7) Only contacts made January 1, 1995, and after, count for this entity.
- 12 (BV9P) Only contact made January 1, 1994, and after, count for this entity.
- 13 (D6,FH) Only contacts made July 6, 1975, and after, count for this entity.
- 14 (DA-DR) Only contacts made with DA-DL stations September 17, 1973, and after, and contacts made Y2-Y9 stations October 3, 1990 and after, count for this entity.
- 15 (E3) Only contacts made November 14, 1962, and before, or May 24, 1991, and after, count for this entity.
- 16 (FO) Only contacts made after 23:59 UTC, March 31, 1998 count for this entity.
- 17 (FR) Only contacts made June 25, 1960, and after, count for this entity.
- 18 (H40) Only contacts made after 23:59 UTC, March 31, 1998 count for this entity.
- 19 (JD) Formerly Marcus Island.
- 20 (JD) Formerly Bonin and Volcano Islands
- 21 (KC6) Includes Yap Islands December 31, 1980, and before.
- 22 (KP5) Only contacts made March 1, 1979, and after, count for this entity.
- 23 (OK-OL, OM) Only contacts made January 1, 1993, and after, count for this entity.
- 24 (P2) Only contacts made September 16, 1975, and after count for this entity.
- 25 (P4) Only contacts made January 1, 1986, and after, count for this entity.
- 26 (P5) Only contacts made May 14, 1995, and after, count for this entity.
- 27 (S0) Contacts with Rio de Oro (Spanish Sahara), EA9, also count for this entity.
- 28 (T2) Only contacts made January 1, 1976, and after, count for this entity.

Prefix	Entity	Cont.	ITU	CQ	Code
YB-YH ^{(40)*}	Indonesia	OC	51,54	28	327
YI*	Iraq	AS	39	21	333
YJ*	Vanuatu	OC	56	32	158
YK*	Syria	AS	39	20	384
YL*	Latvia	EU	29	15	145
YN,H6-7,HT#*	Nicaragua	NA	11	07	086
YO-YR*	Romania	EU	28	20	275
YS, HU#*	El Salvador	NA	11	07	074
YT-YU*	Serbia	EU	28	15	296
YV-YY, 4M#*	Venezuela	SA	12	09	148
YV0#*	Aves I.	NA	11	08	017
Z2	Zimbabwe	AF	53	38	452
Z3 ^{(41)*}	Macedonia	EU	28	15	502
ZA*	Albania	EU	28	15	007
ZB2*	Gibraltar	EU	37	14	233
ZC4 ^{(42)*}	UK Sov. Base Areas on Cyprus	AS	39	20	283
ZD7*	St. Helena	AF	66	36	250
ZD8*	Ascension I.	AF	66	36	205
ZD9	Tristan da Cunha & Gough I.	AF	66	38	274
ZF*	Cayman Is.	NA	11	08	069
ZK2*	Niue	OC	62	32	188
ZK3*	Tokelau Is.	OC	62	31	270
ZL-ZM*	New Zealand	OC	60	32	170
ZL7*	Chatham Is.	OC	60	32	034
ZL8*	Kermadec Is.	OC	60	32	133
ZL9*	Auckland & Campbell Is.	OC	60	32	016
ZP#*	Paraguay	SA	14	11	132
ZP-ZU#*	South Africa	AF	57	38	462
ZS8*	Prince Edward & Marion Is.	AF	57	38	201

- 29 (E7) New prefix for Bosnia - Herzegovina effective November 17, 2007.
Contacts are valid for this entity effective October 15, 1991.
- 30 (TL) Only contacts made August 13, 1960, and after, count for this entity.
- 31 (TN) Only contacts made August 15, 1960, and after, count for this entity.
- 32 (TR) Only contacts made August 17, 1960, and after, count for this entity.
- 33 (TT) Only contacts made August 11, 1960, and after, count for this entity.
- 34 (TU) Only contacts made August 7, 1960, and after, count for this entity.
- 35 (TY) Only contacts made August 1, 1960, and after, count for this entity.
- 36 (TZ) Only contacts made June 20, 1960, and after, count for this entity.
- 37 (V4,VP2) For DXCC credit for contacts made May 31, 1958, and before, see page 97, June 1958 QST.
- 38 (V6) Includes Yap Islands January 1, 1981, and after.
- 39 (XT) Only contacts made August 16, 1960, and after, count for this entity.
- 40 (YB) Only contacts made May 1, 1963, and after, count for this entity.
- 41 (Z3) Only contacts made September 8, 1991, and after, count for this entity.
- 42 (ZC4) Only contacts made August 16, 1960, and after, count for this entity.
- 43 (E4) Only contacts made February 1, 1999, and after, count for this entity.
- 44 (4W) Only contacts made March 1, 2000, and after, count for this entity.
- 45 (FK/C) Only contacts made March 23, 2000, and after, count for this entity.
- 46 (VP6) Only contacts made November 16, 2001, and after, count for this entity.
- 47 (40) Only contacts made June 28, 2006, and after, count for this entity.
- 48 (KH8) Only contacts made July 22, 2006, and after, count for this entity.
- 49 (FJ - Saint Barthelemy) Only contacts made December 14, 2007, and after, count for this entity.

^ Also 3Y, 8J1, AT0, DP0, FT8Y, LU, OR4, VK0, R1AW, VP8, ZL5, ZS1, ZX0, etc. QSL via country under whose auspices the particular station is operating. The availability of a third-party traffic agreement and a QSL Bureau applies to the country under whose auspices the particular station is operating.

Zone Notes can be found with Prefix Cross References.

DELETED ENTITIES

Deleted Entities Total: 58

Credit for any of these entities can be given if the date of contact in question agrees with the date(s) shown in the corresponding footnote. Entities deleted after 23:59 UTC 31 March 1998 will not be included in the Deleted List.

Prefix	Entity	Cont.	ITU	CQ	Code
⁽²⁾	Blenheim Reef	AF	41	39	023
⁽³⁾	Geyser Reef	AF	53	39	093
⁽⁴⁾	Abu Ail Is.	AS	39	21	002
1M ^{(1),(5)}	Minerva Reef	OC	62	32	178
4W ⁽⁶⁾	Yemen Arab Rep.	AS	39	21	154
7J1 ⁽⁷⁾	Okino Tori-shima	AS	45	27	194
8Z4 ⁽⁸⁾	Saudi Arabia/Iraq Neut. Zone	AS	39	21	226
8Z5, 9K3 ⁽⁹⁾	Kuwait/Saudi Arabia Neut. Zone	AS	39	21	068
9S4 ⁽¹⁰⁾	Saar	EU	28	14	210
9U5 ⁽¹¹⁾	Ruanda-Urundi	AF	52	36	208
AC3 ^{(11),(12)}	Sikkim	AS	41	22	231
AC4 ^{(11),(13)}	Tibet	AS	41	23	268
C9 ⁽¹⁴⁾	Manchuria	AS	33	24	164
CN2 ⁽¹⁵⁾	Tangier	AF	37	33	264
CR8 ⁽¹⁶⁾	Damao, Diu	AS	41	22	042
CR8 ⁽¹⁶⁾	Goa	AS	41	22	101
CR8, CR10 ⁽¹⁷⁾	Portuguese Timor	OC	54	28	200
DA-DM ⁽¹⁸⁾	Germany	EU	28	14	081
DM, Y2-9 ⁽¹⁹⁾	German Dem. Rep.	EU	28	14	229
EA9 ⁽²⁰⁾	Ifni	AF	37	33	113
FF ⁽²¹⁾	French West Africa	AF	46	35	059
FH, FB8 ⁽²²⁾	Comoros	AF	53	39	039
F18 ⁽²³⁾	French Indo-China	AS	49	26	058
FN8 ⁽²⁴⁾	French India	AS	41	22	067
FQ8 ⁽²⁵⁾	Fr. Equatorial Africa	AF	47,36	52	057
HK0 ⁽²⁶⁾	Bajo Nuevo	NA	11	08	019
HK0, KP3, KS4 ⁽²⁶⁾	Serrana Bank and Roncador Cay	NA	11	07	228
I1 ⁽²⁷⁾	Trieste	EU	28	15	271

NOTES:

- 1 Unofficial prefix.
- 2 (Blenheim Reef) Only contacts made from May 4, 1967, to June 30, 1975, count for this entity. Contacts made July 1, 1975, and after, count as Chagos (VQ9).
- 3 (Geysey Reef) Only contacts made from May 4, 1967, to February 28, 1978, count for this entity.
- 4 (Abu Ail Is.) Only contacts made March 30, 1991, and before, count for this entity.
- 5 (1M) Only contacts made from July 15, 1972, and before, count for this entity. Contacts made July 16, 1972, and after, count as Tonga (A3).
- 6 (4W) Only contacts made before May 21, 1990, and before, count for this entity.
- 7 (7J1) Only contacts made May 30, 1976, to November 30, 1980, count for this entity. Contacts made December 1, 1980, and after, count as Ogasawara (JD1).
- 8 (8Z4) Only contacts made December 25, 1981, and before, count for this entity.
- 9 (8Z5,9K3) Only contacts made December 14, 1969, and before, count for this entity.
- 10 (9S4) Only contacts made March 31, 1957, and before, count for this entity.
- 11 (9U5) Only contacts made from July 1, 1960, to June 30, 1962, count for this entity. Contact made July 1, 1962, and after, count as Burundi (9U) or Rwanda (9X).
- 12 (AC3) Only contacts made April 30, 1975, and before, count for this entity. Contacts made May 1, 1975, and after, count as India (VU).
- 13 (AC4) Only contacts made May 30, 1974, and before, count for this entity. Contact made May 31, 1974, and after, count as China (BY).
- 14 (C9) Only contacts made September 15, 1963, and before, count for this entity. Contact made September 16, 1963, and after, count as China (BY).

I5 ⁽²⁸⁾	Italian Somaliland	AF	48	37	115
JZ0 ⁽²⁹⁾	Netherlands N. Guinea	OC	51	28	184
KR6,8,JR6, KA6 ⁽³⁰⁾	Okinawa (Ryukyu Is.)	AS	45	25	193
KS4 ⁽³¹⁾	Swan Is.	NA	11	07	261
KZ5 ⁽³²⁾	Canal Zone	NA	11	07	028
OK-OM ⁽³³⁾	Czechoslovakia	EU	28	15	218
P2, VK9 ⁽³⁴⁾	Papua Territory	OC	51	28	198
P2, VK9 ⁽³⁴⁾	Terr. New Guinea	OC	51	28	267
PK1-3 ⁽³⁵⁾	Java	OC	54	28	119
PK4 ⁽³⁵⁾	Sumatra	OC	54	28	258
PK5 ⁽³⁵⁾	Netherlands Borneo	OC	54	28	183
PK6 ⁽³⁵⁾	Celebe & Molucca Is.	OC	54	28	030
ST0 ⁽³⁶⁾	Southern Sudan	AF	47,34	48	244
UN1 ⁽³⁷⁾	Karelo-Finnish Rep.	EU	19	16	128
VO ⁽³⁸⁾	Newfoundland, Labrador	NA	09	02,05	186
VQ1, 5H1 ⁽³⁹⁾	Zanzibar	AF	53	37	307
VQ6 ⁽⁴⁰⁾	British Somaliland	AF	48	37	026
VQ9 ⁽⁴⁰⁾	Aldabra	AF	53	39	008
VQ9 ⁽⁴⁰⁾	Desroches	AF	53	39	044
VQ9 ⁽⁴⁰⁾	Farquhar	AF	53	39	055
VS2, 9M2 ⁽⁴²⁾	Malaya	AS	54	28	155
VS4 ⁽⁴²⁾	Sarawak	OC	54	28	220
VS9A, P, S ⁽⁴³⁾	People's Dem. Rep. of Yemen	AS	39	21	243
VS9H ⁽⁴⁴⁾	Kuria Muria I.	AS	39	21	139
VS9K ⁽⁴⁵⁾	Kamran Is.	AS	39	21	127
ZC5 ⁽⁴²⁾	British North Borneo	OC	54	28	025
ZC6, 4X1 ⁽⁴⁶⁾	Palestine	AS	39	20	196
ZD4 ⁽⁴⁷⁾	Gold Coast, Togoland	AF	46	35	102
ZS0, 1 ⁽⁴⁸⁾	Penguin Is.	AF	57	38	493
ZS9 ⁽⁴⁹⁾	Walvis Bay	AF	57	38	488

- 15 (CN2) Only contacts made June 30, 1960, and before, count for this entity. Contact made July 1, 1960, and after, count as Morocco (CN).
- 16 (CR8) Only contacts made December 31, 1961, and before, count for this entity.
- 17 (CR8,CR10) Only contacts made September 14, 1976, and before, count for this entity.
- 18 (DA-DM) Only contacts made September 16, 1973, and before, count for this entity. Contacts made September 17, 1973, and after, count as either FRG (DA-DL) or GDR (Y2-Y9).
- 19 (DM,Y2-9) Only contacts made from September 17, 1973, to October 2, 1990 count for this entity. On October 3, 1990 the GDR became part of the FRG.
- 20 (EA9) Only contacts made May 13, 1969, and before, count for this entity.
- 21 (FF) Only contacts made August 6, 1960, and before, count for this entity.
- 22 (FH, FB8) Only contacts made July 5, 1975, and before, count for this entity. Contacts made July 6, 1975, and after, count as Comoros (D6) or Mayotte (FH).
- 23 (F18) Only contacts made December 20, 1950, and before, count for this entity.
- 24 (FN8) Only contacts made October 31, 1954, and before, count for this entity.
- 25 (FQ8) Only contacts made August 16, 1960, and before will count for this entity.
- 26 (HK,KP3,KS4) Only contacts made September 16, 1981, and before, count for this entity. Contacts made September 17, 1981, and after, count as San Andres (HK).
- 27 (I1) Only contacts made March 31, 1957, and before, count for this entity.
- 28 (I5) Only contacts made June 30, 1960, and before, count for this entity.
- 29 (JZ) Only contacts made April 30, 1963, and before, count for this entity.
- 30 (KR6,8,JR6,KA6) Only contacts made May 14, 1972, and before, count for

- this entity. Contacts made May 15, 1972, and after, count as Japan (JA).
- 31 (KS4) Only contacts made August 31, 1972, and before, count for this entity. Contacts made September 1, 1972, and after, count as Honduras (HR).
- 32 (KZ5) Only contacts made September 30, 1979, and before, count for this entity.
- 33 (OK-OM) Only contacts made December 31, 1992, and before, count for this entity.
- 34 (P2,VK9) Only contacts made September 15, 1975, and before, count for this entity. Contacts made September 16, 1975, and after, count as Papua New Guinea (P2).
- 35 (PK1-6) Only contacts made April 30, 1963, and before, count for this entity. Contact made May 1, 1963, and after, count as Indonesia.
- 36 (ST0) Only contacts made between May 7, 1972 and December 31, 1994, count for this entity.
- 37 (UN1) Only contacts made June 30, 1960, and before, count for this entity. Contacts made July 1, 1960, and after count as European RSFSR (UA).
- 38 (VO) Only contacts made March 31, 1949, and before, count for this entity. Contacts made April 1, 1949, and after, count as Canada (VE).
- 39 (VQ1,5H1) Only contacts made May 31, 1974, and before, count for this entity. Contacts made June 1, 1974, and after, count as Tanzania (5H).
- 40 (VQ6) Only contacts made June 30, 1960, and before, count for this entity.
- 41 (VQ9) Only contacts made June 28, 1976, and before, count for this entity. Contacts made June 29, 1976, and after, count as Seychelles (S7).
- 42 (VS2,VS4,ZC5,9M2) Only contacts made September 15, 1963, and before, count for this entity. Contacts made September 16, 1963, and after, count as West Malaysia (9M2) or East Malaysia (9M6,8).
- 43 (VS9A,P,S) Only contacts made before May 22, 1990, and before, count for this entity.
- 44 (VS9H) Only contacts made November 29, 1967, and before, count for this entity.
- 45 (VS9K) Only contacts made on March 10, 1982, and before, count for this entity.
- 46 (ZC6,4X1) Only contacts made June 30, 1968, and before, count for this entity. Contacts made July 1, 1968, and after, count as Israel (4X).
- 47 (ZD4) Only contacts made March 5, 1957, and before, count for this entity.
- 48 (ZS0, 1) Only contacts made February 29, 1994, and before, count for this entity.
- 49 (ZS9) Only contacts made from September 1, 1977 to February 28, 1994, count for this entity.

PREFIX CROSS REFERENCES

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A8 = EL	FU8 (before 1982) = YJ	MP4T, D (before 1972) = A6	VP2A (before 1982) = V2
AC (before 1972) = A5	GB = G	NH = KH	VP2D (before 1979) = J7
AH = KH	GC (before 1977) = GJ or GU	NL7 = KL7	VP2G (before 1975) = J3
AL7 = KL7	H2 = 5B	NP = KP	VP2K (before 1984) = V4 or VP2E
AM-AO = EA	H3 = HP	OQ (before 1961) = 9Q	VP2L (before 1980) = J6
AT-AW = VU	H5 (Bophutatswana) = ZS	P3 = 5B	VP2S (before 1980) = J8
AX = VK	H7 = YN	P4 (before 1986) = PJ	VP3 (before 1967) = 8R
AY-AZ = LU	HE = HB	PX (before 1970) = C3	VP4 (before 1963) = 9Y
CF-CK = VE	HM (before 1982) = HL	RA, RN = UA	VP5 (Jamaica) = 6Y
CL = CO	HT = YN	RB-RR = UB-UR	VP5E = VP2E
CQ-CS = CT	HU = YS	RS = U	VP6 (before 1967) = 8P
CR3 (before 1974) = J5	HW-HY = F	RT = UB	VP7 (before 1974) = C6
CR4 (before 1976) = D4	J4 = SV	RU-RX = U	VQ2 (before 1965) = 9J
CR5 (before 1976) = S9	KA1 = JD1	S4 (Ciskei) = ZS	VQ3 (before 1962) = 5H
CR6 (before 1976) = D2	KA2AA-KA9ZZ = JA	S8 (Transkei) = ZS	VQ4 (before 1964) = 5Z
CR7 (before 1976) = C9	KB6 (before 1979) = KH1	T4 = CO	VQ5 (before 1963) = 5X
CR9 (before 1985) = XX9	KC4 (Navassa) = KP1	T4 (Venda) = ZS	VQ8 (before 1969) = 3B
CT2 (before 1986) = CU	KC6 (before 1990) = V6	TH, TM, TO-TQ, TV-TX = F	VQ8 (Chagos) = VQ9
CX0 = CE9/VP8	KC6 (before 1998) = T8	UB (before 1994) = UZ	VQ9 (Seychelles) = S7
CY-CZ = VE	KG6 (before 1979) = KH2	UC (before 1991) = EU	VR1 (before 1980) = T3
CY0 (before 1985) = CY9	KG6I (before 1970) = JD1	UD (before 1994) = 4J	VR2 (before 1971) = 3D2
D7 = HL	KG6R, S, T (before 1979) = KH0	UF (before 1994) = 4L	VR2 (after 1991) = VS6
DM-DT (before 1980) = Y2-9	KH7 (before 1996) = KH7K	UG (before 1994) = EK	VR3 (before 1980) = T32
DS-DT = HL	KJ6 (before 1979) = KH3	UH (before 1993) = EZ	VR4 (before 1979) = H4
E2 = HS	KM6 (before 1979) = KH4	UI (before 1994) = UJ	VR5 (before 1971) = A3
EA0 (before 1969) = 3C	KP4 (Desecheo) = KP5	UJ (before 1993) = EY	VR6 (before 1998) = VP6
EK, EM-EO, ER-ES, EU-EZ = U	KP6 (before 1979) = KH5	UL (before 1994) = UN	VR8 (before 1979) = T2
ER (after 1992) = UO	KS6 (before 1979) = KH8	UM (before 1993) = EX	VS1 (before 1966) = 9V
EU (after 1991) = UC	KV4 (before 1979) = KP2	UO (before 1994) = ER	VS5 (before 1985) = V8
FA-FF (after 1988) = F	KW6 (before 1979) = KH9	UP (before 1991) = LY	VS6 (before 1997) = VR
FA (before 1963) = 7X	KX6 (before 1990) = V7	UQ (before 1992) = YL	VS7 (before 1949) = 4S
FB8 (before 1961) = 5R	L2-9 = LU	UR (before 1991) = ES	VS9M = 8Q
FB8 (before 1985) = FT	M = G	V9 (Venda) = ZS	VS90 (before 1961) = A4
FC (before 1985) = TK	M1 (before 1984) = T7	VA-VG = VE	VX-VY = CY0/VE
FD8 (before 1961) = 5V	MP4B (before 1972) = A9	VH-VN = VK	WH = KH
FE8 (before 1961) = TJ	MP4M (before 1972) = A4	VK9 (Nauru) = C2	WL7 = KL7
FL (before 1978) = J2	MP4Q (before 1972) = A7	VP1 (before 1982) = V3	WP = KP

XJ-XO = VE	ZS9 (before 1967) = A2	4L (after 1991) = UF	9A (before 1984) = T7
XP = OX	ZV-ZZ = PY	4M = YV	9B-9D = EP
XQ-XR = CE	2D = GD	4N-4O = YU	9E-9F = ET
XV = 3W	2E = G	4T = OA	
XX7 (before 1976) = C9	2I = GI	4U1VIC = OE	Zone Notes
YU2 (before 1992) = 9A	2J = GJ	4V = HH	(A) 33, 42, 43, 44
YU3 (before 1992) = S5	2M = GM	5J-5K = HK	(B) 67, 69-74
YU4 (before 1992) = T9	2U = GU	5L-5M = EL	(C) 12, 13, 29, 30, 32, 38, 39
YU5 (before 1992) = Z3	2W = GW	6C = YK	(D) 12, 13, 15
ZB1 (before 1965) = 9H	3B-3C (before 1968) = VE	6D-6J = XE	(E) 19, 20, 29, 30
ZD1 (before 1962) = 9L	3D6 (before 1988) = 3DA	6K-6N = HL	(F) 20-26, 30-35, 75
ZD2 (before 1961) = 5N	3G = CE	6O = T5	(G) 16, 17, 18, 19, 23
ZD3 (before 1966) = C5	3Z = SP	6T-6U = ST	(H) 2, 3, 4, 9, 75
ZD5 (before 1969) = 3DA	4A-4C = XE	7A-7I = YB	(I) 55, 58, 59
ZD6 (before 1965) = 7Q	4D-4I = DU	7G (before 1967) = 3X	
ZE (before 1981) = Z2-9	4J-4L = U	7J-7N = JA	Continents
ZK1 (after June 2006) = E5	4J (after 1991) = EK	7J1 = JA1 or JD1	AF = Africa
ZK9 (1983) = ZK2	4J1F (before 1994) = R1MV	7S = SM	AN = Antarctica
ZM6 (before 1963) = 5W	4K (before 1994) = UA	7Z = HZ	AS = Asia
ZM7 (before 1984) = ZK3	4K1 (before 1994) = CE9/KC4	8A-8I = YB	EU = Europe
ZS3 (before 1991) = V5	4K2 (before 1994) = R1FJ	8J-8N = JA	NA = North America
ZS7 (before 1969) = 3D6	4K3 (before 1994) = UA	8O = A2	OC = Oceania
ZS8 (before 1967) = 7P	4K4 (before 1994) = UA0	8S = SM	SA = South America

ALLOCATION OF INTERNATIONAL CALL-SIGNS

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AAA-ALZ	United States of America	D7A-D9Z	Korea	HWA-HYZ	France
AMA-AOZ	Spain	EAA-EHZ	Spain	HZA-HZZ	Saudi Arabia
APA-ASZ	Pakistan	EIA-EJZ	Ireland	H2A-H2Z	Cyprus
ATA-AWZ	India	EKA-EKZ	Armenia	H3A-H3Z	Panama
AXA-AXZ	Australia	ELA-ELZ	Liberia	H4A-H4Z	Solomon Islands
AYA-AZZ	Argentine Republic	EMA-EOZ	Ukraine	H6A-H7Z	Nicaragua
A2A-A2Z	Botswana	EPA-EQZ	Iran	H8A-H9Z	Panama
A3A-A3Z	Tonga	ERA-ERZ	Moldova	IAA-IZZ	Italy
A4A-A4Z	Oman	ESA-ESZ	Estonia	JAA-JSZ	Japan
A5A-A5Z	Bhutan	ETA-ETZ	Ethiopia	JTA-JVZ	Mongolia
A6A-A6Z	United Arab Emirates	EUA-EWZ	Belarus	JWA-JXZ	Norway
A7A-A7Z	Qatar	EXA-EXZ	Kyrgyz Republic	JYA-JYZ	Jordan
A8A-A8Z	Liberia	EYA-EYZ	Tajikistan	JZA-JZZ	Indonesia
A9A-A9Z	Bahrain	EZA-EZZ	Turkmenistan	J2A-J2Z	Djibouti
BAA-BZZ	China	E2A-E2Z	Thailand	J3A-J3Z	Grenada
CAA-CEZ	Chile	E3A-E3Z	Eritrea	J4A-J4Z	Greece
CFA-CKZ	Canada	E4A-E4Z	Palestinian Authority	J5A-J5Z	Guinea-Bissau
CLA-CMZ	Cuba	E5A-E5Z	New Zealand-Cook Islands	J6A-J6Z	Saint Lucia
CNA-CNZ	Morocco	FAA-FZZ	France	J7A-J7Z	Dominica
COA-COZ	Cuba	GAA-GZZ	United Kingdom	J8A-J8Z	Saint Vincent and the Grenadines
CPA-CPZ	Bolivia	HAA-HAZ	Hungary	KAA-KZZ	United States of America
CQA-CUZ	Portugal	HBA-HBZ	Switzerland	LAA-LNZ	Norway
CVA-CXZ	Uruguay	HCA-HDZ	Ecuador	LOA-LWZ	Argentine Republic
CYA-CZZ	Canada	HEA-HEZ	Switzerland	LXA-LXZ	Luxembourg
C2A-C2Z	Nauru	HFA-HFZ	Poland	LYA-LYZ	Lithuania
C3A-C3Z	Andorra	HGA-HGZ	Hungary	LZA-LZZ	Bulgaria
C4A-C4Z	Cyprus	HHA-HHZ	Haiti	L2A-L9Z	Argentine Republic
C5A-C5Z	Gambia	HIA-HIZ	Dominican Republic	MAA-MZZ	United Kingdom
C6A-C6Z	Bahamas	HJA-HKZ	Colombia	NAA-NZZ	United States of America
C7A-C7Z	World Meteorological Org	HLA-HLZ	Korea	OAA-OCZ	Peru
C8A-C9Z	Mozambique	HMA-HMZ	Korea	ODA-ODZ	Lebanon
DAA-DRZ	Germany	HNA-HNZ	Iraq	OEA-OEZ	Austria
DSA-DTZ	Korea	HOA-HPZ	Panama	OFA-OJZ	Finland
DUA-DZZ	Philippines	HQA-HRZ	Honduras	OKA-OLZ	Czech Republic
D2A-D3Z	Angola	HSA-HSZ	Thailand	OMA-OMZ	Slovak Republic
D4A-D4Z	Cape Verde	HTA-HTZ	Nicaragua	ONA-OTZ	Belgium
D5A-D5Z	Liberia	HUA-HUZ	El Salvador	OUA-OZZ	Denmark
D6A-D6Z	Comoros	HVA-HVZ	Vatican City State		

PAA-PIZ	Netherlands	V3A-V3Z	Belize	4VA-4VZ	Haiti
PJA-PJZ	Netherlands–	V4A-V4Z	Saint Kitts and Nevis	4WA-4WZ	Timor–Leste
	Netherlands Antilles	V5A-V5Z	Namibia	4XA-4XZ	Israel
PKA-POZ	Indonesia	V6A-V6Z	Micronesia	4YA-4YZ	International Civil Aviation Org
PPA-PYZ	Brazil	V7A-V7Z	Marshall Islands	4ZA-4ZZ	Israel
PZA-PZZ	Suriname	V8A-V8Z	Brunei Darussalam	5AA-5AZ	Libya
P2A-P2Z	Papua New Guinea	WAA-WZZ	United States of America	5BA-5BZ	Cyprus
P3A-P3Z	Cyprus	XAA-XIZ	Mexico	5CA-5GZ	Morocco
P4A-P4Z	Netherlands–Aruba	XJA-XOZ	Canada	5HA-5IZ	Tanzania
P5A-P9Z	Korea	XPA-XPZ	Denmark	5JA-5KZ	Colombia
RAA-RZZ	Russian Federation	XQA-XRZ	Chile	5LA-5MZ	Liberia
SAA-SMZ	Sweden	XSA-XSZ	China	5NA-5OZ	Nigeria
SNA-SRZ	Poland	XTA-XTZ	Burkina Faso	5PA-5QZ	Denmark
SSA-SSM	Egypt	XUA-XUZ	Cambodia	5RA-5SZ	Madagascar
SSN-STZ	Sudan	XVA-XVZ	Viet Nam	5TA-5TZ	Mauritania
SUA-SUZ	Egypt	XWA-XWZ	Laos	5UA-5UZ	Niger
SVA-SZZ	Greece	XXA-XXZ	China–Macao	5VA-5VZ	Togolese Republic
S2A-S3Z	Bangladesh	XYA-XZZ	Myanmar	5WA-5WZ	Samoa
S5A-S5Z	Slovenia	YAA-YAZ	Afghanistan	5XA-5XZ	Uganda
S6A-S6Z	Singapore	YBA-YHZ	Indonesia	5YA-5ZZ	Kenya
S7A-S7Z	Seychelles	YIA-YIZ	Iraq	6AA-6BZ	Egypt
S8A-S8Z	South Africa	YJA-YJZ	Vanuatu	6CA-6CZ	Syrian Arab Republic
S9A-S9Z	Sao Tome and Principe	YKA-YKZ	Syrian Arab Republic	6DA-6JZ	Mexico
TAA-TCZ	Turkey	YLA-YLZ	Latvia	6KA-6NZ	Korea
TDA-TDZ	Guatemala	YMA-YMZ	Turkey	6OA-6OZ	Somali Democratic Republic
TEA-TEZ	Costa Rica	YNA-YNZ	Nicaragua	6PA-6SZ	Pakistan
TFA-TFZ	Iceland	YOA-YRZ	Romania	6TA-6UZ	Sudan
TGA-TGZ	Guatemala	YSA-YSZ	El Salvador	6VA-6WZ	Senegal
THA-THZ	France	YTA-YUZ	Serbia	6XA-6XZ	Madagascar
TIA-TIZ	Costa Rica	YVA-YYZ	Venezuela	6YA-6YZ	Jamaica
TJA-TJZ	Cameroon	Y2A-Y9Z	Germany	6ZA-6ZZ	Liberia
TKA-TKZ	France	ZAA-ZAZ	Albania	7AA-7IZ	Indonesia
TLA-TLZ	Central African Republic	ZBA-ZJZ	United Kingdom	7JA-7NZ	Japan
TMA-TMZ	France	ZKA-ZMZ	New Zealand	7OA-7OZ	Yemen
TNA-TNZ	Congo	ZNA-ZOZ	United Kingdom	7PA-7PZ	Lesotho
TOA-TQZ	France	ZPA-ZPZ	Paraguay	7QA-7QZ	Malawi
TRA-TRZ	Gabonese Republic	ZQA-ZQZ	United Kingdom	7RA-7RZ	Algeria
TSA-TSZ	Tunisia	ZRA-ZUZ	South Africa	7SA-7SZ	Sweden
TTA-TTZ	Chad	ZVA-ZZZ	Brazil	7TA-7YZ	Algeria
TUA-TUZ	Côte d'Ivoire	Z2A-Z2Z	Zimbabwe	7ZA-7ZZ	Saudi Arabia
TVA-TXZ	France	Z3A-Z3Z	Former Yugoslav Republic of	8AA-8IZ	Indonesia
TYA-TYZ	Benin		Macedonia	8JA-8NZ	Japan
TZA-TZZ	Mali	2AA-2ZZ	United Kingdom	8OA-8OZ	Botswana
T2A-T2Z	Tuvalu	3AA-3AZ	Monaco	8PA-8PZ	Barbados
T3A-T3Z	Kiribati	3BA-3BZ	Mauritius	8QA-8QZ	Maldives
T4A-T4Z	Cuba	3CA-3CZ	Equatorial Guinea	8RA-8RZ	Guyana
T5A-T5Z	Somali Democratic Republic	3DA-3DM	Swaziland	8SA-8SZ	Sweden
T6A-T6Z	Afghanistan	3DN-3DZ	Fiji	8TA-8YZ	India
T7A-T7Z	San Marino	3EA-3FZ	Panama	8ZA-8ZZ	Saudi Arabia
T8A-T8Z	Palau	3GA-3GZ	Chile	9AA-9AZ	Croatia
T9A-T9Z	Bosnia and Herzegovina	3HA-3UZ	China	9BA-9DZ	Iran
UAA-UIZ	Russian Federation	3VA-3VZ	Tunisia	9EA-9FZ	Ethiopia
UJA-UMZ	Uzbekistan	3WA-3WZ	Viet Nam	9GA-9GZ	Ghana
UNA-UQZ	Kazakhstan	3XA-3XZ	Guinea	9HA-9HZ	Malta
URA-UZZ	Ukraine	3YA-3YZ	Norway	9IA-9JZ	Zambia
VAA-VGZ	Canada	3ZA-3ZZ	Poland	9KA-9KZ	Kuwait
VHA-VNZ	Australia	4AA-4CZ	Mexico	9LA-9LZ	Sierra Leone
VOA-VOZ	Canada	4DA-4IZ	Philippines	9MA-9MZ	Malaysia
VPA-VQZ	United Kingdom	4JA-4KZ	Azerbaijani Republic	9NA-9NZ	Nepal
VRA-VRZ	China–Hong Kong	4LA-4LZ	Georgia	9OA-9TZ	Congo
VSA-VSZ	United Kingdom	4MA-4MZ	Venezuela	9UA-9UZ	Burundi
VT A-VWZ	India	4OA-4OZ	Montenegro	9VA-9VZ	Singapore
VXA-VYZ	Canada	4PA-4SZ	Sri Lanka	9WA-9WZ	Malaysia
VZA-VZZ	Australia	4TA-4TZ	Peru	9XA-9XZ	Rwandese Republic
V2A-V2Z	Antigua and Barbuda	4UA-4UZ	United Nations	9YA-9ZZ	Trinidad and Tobago

AMATEUR RADIO RECORDS

JOHN WYBORN
SALUTE

NEW ZEALAND VHF/UHF/SHF RECORDS 2007

Band	Frequency	Type	Stations	Date (DMY)	Mode	Distance (KM)	Prop Mode	Notes
6M	50MHz	O/seas	ZL3VTV/1-EH7KW	03/04/2001	SSB	19921	P2	1 NZ 70cm band has now been reduced from 420-450MHz to 430-440MHz. The Video TV Record of 31/01/1982 on 425MHz stays as a 70cm Record.
6M	50MHz	O/seas	ZL3JT-N6XQ	04/03/2001	PSK31	14268	P2	
6M	50MHz	EME	ZL2BGJ-WA4NJP	08/09/1988	CW	13256	-	
6M	50MHz	EME	ZL3NW-F6FHP	03/03/2006	JT65A	19441	-	2 NZ 13cm band has now been reduced from 2300-2450MHz to 2396MHz-2450MHz. The Records of 31/01/1982 and 18/10/1987 stay as a 13cm Record. This band now known as 12cm band.
2M	144MHz	Int.	ZL2ARW/p-ZL1BJB/P	03/02/1982	SSB	1069	TD	
2M	144MHz	O/seas	ZL1HH-VK5ZEE	15/01/1986	SSB	3467	TD	3 NZ 50cm band has now been reduced and changed from 610-620MHz to 614-622MHz. The Record of 23/04/1988 stays as a 50cm Record.
2M	144MHz	O/seas	ZL3TY-VK2EI	14/05/2002	FSK441	2028	TD	
2M	144MHz	Int.	ZL1IU-ZL4LV	28/10/2005	FSK441	1214	MS	4 /p means portable operation. 5 /# means operating in another state or district.
2M	144MHz	EME	ZL3TY-EA5ZF	19/06/2005	JT65B	19242	-	
2M	144MHz	EME	ZL2BGJ-G3POI	26/05/1985	CW	18821	-	6 32cm 925MHz ZL2TRV-ZLITBG 30/11/2002 620kms with high power permit.
70cm	432MHz	Int.	ZL2ARW/p-ZL1BJB/p	03/02/1982	SSB	1069	TD	
70cm	432MHz	O/seas	ZL1IU-VK7MO	31/12/2005	SSB	2432	TD	7 Propagation Modes: Line of Sight (LOS, Tropo duct (TD, Tropo scatter (TS Meteor Scatter (MS, and F2 layer.
70cm	432MHz	EME	ZL3AAD-G3SEK	12/03/1989	CW	18970	-	
70cm	425MHz	Int.	ZL2TWS/p-ZL2ASF/p	31/01/1982	VIDEO	373	LOS	
50cm	610MHz	Int.	ZL2UGR/p-ZL2AJI/p	23/04/1988	SSB/FM	302	LOS	
32cm	925MHz	Int.	ZL2TRV/p-ZLITBG/p	30/11/2002	NBFM	620	TD	
23cm	1281MHz	Int.	ZLITBG/p-ZLIWTT	05/07/1998	FM/ATV	76	LOS	
23cm	1296MHz	Int.	ZL2ARW/p-ZLITHG/p	30/01/1982	SSB	687	TD	
23cm	1296MHz	O/seas	ZL1AVZ-VK2FZ/4	30/11/1995	SSB	2317	TD	
23cm	1296MHz	EME	ZL3AAD-PA0SSB	13/06/1983	CW	18657	-	
13cm	2304MHz	Int.	ZL2ARW/p-ZLITHG/p	31/01/1982	NBFM	687	TD	
13cm	2304MHz	EME	ZL2AQE-W3IWI/8	18/10/1987	CW	13931	-	
9cm	3456MHz	Int.	ZL2AQE/p-ZL2ARW/p	06/03/1983	NBFM	547	LOS	
5cm	5760MHz	Int.	ZL2TV/P-ZLITPH/P	28/12/2005	SSB/CW	485	TS	
5cm	5760MHz	Int.	ZLITPH/p-ZLISWW	03/09/2006	FSK441	48	TS	
3cm	10368MHz	Int.	ZLITHG/p-ZL2BFC/p	25/01/1981	WBFM	390	LOS	
3cm	10368MHz	Int.	ZLITPH/p-ZL2IP	16/12/2005	SSB/CW	396	TD	
3cm	10368MHz	EME	ZLIGSG/p-DJ7FJ	12/03/1997	CW	18340	-	
3cm	10368MHz	Int.	ZLISWW-ZLITPH/p	03/09/2006	FSK441	48	TS	
1.2cm	24000MHz	Int.	ZL2AQE/p-ZL2AZQ/p	20/03/1988	MCW	126	LOS	
1.2cm	24000MHz	Int.	ZLITPH/p-ZL1AVZ/p	27/08/2005	CW	146	TD	
1.2cm	24000MHz	Int.	ZLITPH/p-ZL2IP/p	12/03/2006	SSB	221	TD	
1.2cm	24000MHz	Int.	ZLITPH/p-ZL2IP/p	05/03/2006	SSB/CW	169	LOS	
0.6cm	47000MHz	Int.	ZLITPH/p-ZL1AVZ/p	01/05/2005	SSB	47	LOS	
2.5mm	122250MHz	Int.	ZLITBG/p-ZLITPH/p	25/08/2002	NBFM	0.032	LOS	

WORLD VHF/UHF/SHF/EHF Terrestrial DX RECORDS 2007

Frequency	Stations	Date	Dist.km	Mode	Propagation	Notes
50MHz	ZS6Y-ZSIAGF	24/10/1999	1238	SSB	Tropo	1. /p means portable operation. 2. /# means operating in another state or district.
50MHz	ES2QN-TF3MLT	12/09/2000	2335	SSB	Aurora	
50MHz	YO7VS-VK4KK	25/01/2000	15153	CW	Sporadic-E	Propagation modes are tropospheric refraction and ducting (including line-of-sight paths), divided into in four categories: Tropo (A) (tropospheric modes across the Atlantic, Caribbean, and Gulf of Mexico); Tropo (C) (tropospheric modes across continental North America; Tropo (E) (tropospheric modes across Europe); Tropo (P) (tropospheric modes across the Pacific); Aurora (auroral scatter); Auroral E (auroral E); Sporadic E (sporadic E); FAI (E-layer field-aligned irregularities); IFS (ionospheric forward scatter); Meteors (meteor scatter); TE (transequatorial field-aligned irregularities); and Rain scatter (precipitation scatter).
50MHz	G4IGO-SV10E	12/08/1990	2542	SSB	Meteor	
50MHz	ZL3VTV/1-EH7KW	03/04/2001	19921	SSB	F2	
50MHz	JN61GV-KH8/N5OLS	08/04/2001	16920	CW	TE	
50MHz	G4IGO-JE1BMJ	14/06/2006	9797		Aurora-E	
70MHz	OZ1DJJ-G01UE	02/08/2003	1084	SSB	Tropo(E)	
70MHz	OZ2LD-S51DI	08/05/2005	1456	CW	Aurora	
70MHz	SV2DCD-CU8AO	12/07/2006	4406	SSB	Sporadic-E	
70MHz	G4IGO-I6QBI	16/08/2007	1552	JT6M	Meteor	
70MHz	OZ1DJJ-EI3IO	12/08/2003	1242	SSB	Meteor	
70MHz	OZ1DJJ-CU8AO	03/06/2006	3668	CW	Aurora-E	TX modes left blank are unknown at the time of publication.
144MHz	G4LOH-D44TD	04/08/2007	4041	CW	Tropo(E)	
144MHz	W1JSM-VP5D	10/05/1988	2365		Tropo(A)	Reference: < www.ar1.org/qst/worldabove/dxrecords.html > < http://www.ham.se/vhf/dxrecord/dxrec.htm > < http://www.g3pho.free-online.co.uk/microwaves/records.htm >
144MHz	WB4MJE-VE1KG	05/11/1994	2715		Tropo(C)	
144MHz	KH6HME-W1LP/MM	21/08/1999	4754		Tropo(P)	
144MHz	PA3EKK-UA4ANV	10/05/1992	2724	CW	Aurora	
144MHz	YO4FNG-EA8AVI	25/06/2006	4293	SSB	Sporadic-E	
144MHz	K5UR-KP4EKG	13/12/1985	3162		Meteor	
144MHz	I4EAT-ZS3B	30/03/1979	7784	CW	TE	

144MHz	PA3COB-UA1ZCL	25/08/1987	2391	CW	Aurora-E
144MHz	KX00-WA4CHA	19/06/1993	2370		FAI
144MHz	K5JL-VE1ALQ	08/11/1999	2856		IFS
222MHz	KP4EOR-LU7DJZ	09/03/1983	5918		TE
222MHz	WB5LUA-WC2K	13/03/1989	2094		Aurora
222MHz	W6QIW-W5UWB	14/02/2000	2195		Sporadic-E
222MHz	K5VH-VE3AX	19/11/2002	2153		Meteor
222MHz	WA4LOX-WP4O	26/02/1998	1854		Tropo(A)
222MHz	WB5AFY-KITEO	07/09/2003	2421		Tropo(C)
222MHz	KH6HME-XE2/N6XQ	15/07/1989	4150		Tropo(P)
432MHz	KH6HME-XE2/N6XQ	15/07/1989	4150		Tropo(P)
432MHz	W1RIL-VP5D	10/05/1988	2273		Tropo(A)
432MHz	KM1H-WB4MJE	16/12/1992	2201		Tropo(C)
432MHz	G0FYD-EA8BPX	08/08/2003	3019	SSB	Tropo(E)
432MHz	WB5LUA-W3IP	08/02/1986	1909		Aurora
432MHz	SM3AKW-UA9FAD	12/08/1999	2141	CW	Meteor
903MHz	KH6HME-N6XQ	13/07/1994	4064		Tropo(P)
903MHz	N5WS-K0VXM	22/05/1998	1741		Tropo(C)
903MHz	K3HZO-WA3NZL	08/11/1991	86		Aurora
903MHz	KM0T-W0GHZ	13/09/2005	328		Rain Scatter
1296MHz	KH6HME-XE2/N6XQ	15/07/1989	4150	CW	Tropo(P)
1296MHz	KD5RO-WB3CZG	29/11/1986	2079		Tropo(C)
1296MHz	G6LEU-EA8XS	29/06/1985	2617	SSB	Tropo(E)
1296MHz	SM3AKW-SM5QA	11/04/2001	358	CW	Aurora
1296MHz	W0ZQ-K2YAZ	17/06/2007	580		Rain Scatter
2304MHz	KH6HME-N6CA	14/07/1994	3982		Tropo(P)
2304MHz	W3XO-KQ4PI	21/05/2006	1716		Tropo(C)
2304MHz	SM0SBI-F5HRY	10/12/2004	1560	CW	Tropo(E)
2304MHz	KM0T-K3SIW	19/07/2006	654		Rain Scatter
3456MHz	KH6HME-N6CA	28/07/1991	3973		Tropo(P)
3456MHz	W3XO-K0VXM	21/05/2006	1798		Tropo(C)
3456MHz	G3XDY-LA6LCA	10/08/2003	982	CW	Tropo(E)
3456MHz	PA0BAT-OK2DL	20/06/2002	730	CW	Rain Scatter
5760MHz	KH6HME-N6CA	29/07/1991	3982		Tropo(P)
5760MHz	W4DEX-K1WHS	25/09/2004	1212		Tropo(C)
5760MHz	OE5VRL-SM3BEI	14/01/2006	1440	CW	Tropo(E)
5760MHz	KM0T-K8EB	22/06/2007	848		Rain Scatter
5760MHz	TK2SHF-F/HB9RXV/p	15/06/1999	216	ATV	
10GHz	4X/DJ4AM-I/DJ3KM	25/06/2000	2079	SSB	Tropo(E)
10GHz	4C2WH-AD6FP	19/08/2007	1460		Tropo(C)
10GHz	W1LP-WB6CWN	20/09/2001	1282		Tropo(P)
10GHz	A11T-W4DEX	21/08/2005	1008		Rain Scatter
10GHz	EA/F1AAM/p-I5/HB9AFO/p	17/06/1999	1320	ATV	
24GHz	IW3EHQ/3-I0LVA/3	18/06/2000	459	CW+SSB	Tropo(E)
24GHz	W5LUA-WW2R/5	07/09/2002	543	CW	Tropo(C)
24GHz	PA0BAT-DB6NT	28/07/2005	412	CW	Rain Scatter
47GHz	F6BYA/p-F5CAU	26/12/1998	287	SSB	Tropo(E)
47GHz	W6QI/6-AD6FP/6	30/10/2005	343		Tropo(C)
75GHz	JA1ELV/2-JA1KVN/1	06/11/2001	151	SSB	Tropo
75GHz	AD6FP/6-KF6KVG/6	01/03/2002	177		LOS
75GHz	W0EOM/6-KF6KVG/6	01/03/2002	177		LOS
75GHz	HB9MIO/p-DK4GD/p	07/07/1995	114	SSB	Tropo(E)
120GHz	WA1ZMS/4-W4WWQ/4	02/04/2003	30	CW	LOS
122GHz	WA1ZMS/4-W4WWQ/4	18/01/2005	114	CW	LOS
134GHz	WA1ZMS/4-W4WWQ/4	26/02/2006	114.4	FSK/CW	LOS
142GHz	W2SZ/4-WA1ZMS/4	12/01/2003	79.7	CW	LOS
145GHz	DB6NT/p-DL6NCL/p	07/04/1997	52	SSB	Tropo(E)
241GHz	WA1ZMS/4-W2SZ/4	17/02/2004	79.7		LOS
241GHz	DB6NT/p-DF9LN/p	26/06/1995	2	SSB	Tropo(E)
322GHz	WA1ZMS/4-W4WWQ/4	04/03/2003	1.4	WBFM	LOS
403GHz	WA1ZMS/4-W4WWQ/4	21/12/2004	1.4	CW	LOS
411GHz	DB6NT/P-DL1JIN/P	06/01/1998	0.05	SSB	LOS
474THz	KC7AED/p-WB7VVD/p	21/09/1997	192.6		LOS(red)
474THz	DB6NT-DG8EB	21/04/2004	83	CW	Tropo(E)
474THz VK7JG&VK7ZJA	21/04/2004	167	AM	LOS(red)	
678THz	WA7LYI-KY7B/7	08/06/1991	248		LOS(green)

MOONBOUNCE (EME) RECORDS 2007

Frequency	Stations	Date	Mode	Distance(km)	Notes
50MHz	OH2BC-XR0Y	19/09/1995	CW	14000	1 /p means portable operation 2 /# means operating in another state or district.
50MHz	F6FHP-ZL3NW	03/03/2006	JT65A	19441	
144MHz	K6MYC/KH6-ZS6ALE	18/07/1984	CW	19287	
144MHz	EA5SE-ZL1IU	24/10/2005	JT65B	19453	
222MHz	K1WHS-KH6BFZ	17/11/1983		8154	
432MHz	ZL3AAD-G3SEK	12/03/1989	CW	18970	
902MHz	K5JL-AFIT	27/05/1990	2384		
1296MHz	ZL3AAD-PA0SSB	13/06/1983	CW/SSB	18773	
2304MHz	NU7Z-ZS6AXT	13/06/1999	CW	16475	
3456MHz	WB5LUA-OK1CA	13/06/2002	CW	8554	
5760MHz	VK3XPD-OK1KIR	23/05/2006	CW	15931	
10368MHz	ZL1GSG/p-DJ7FJ	12/03/1997	CW	18336	
24000MHz	AA6IW-RW3BP	21/04/2002	CW	9512	
47000MHz	AD6FP-RW3BP	23/01/2005	CW	9967	

For a copy of the rules to follow and how to claim a record contact:
The VHF/UHF/SHF Records Co-ordinator
C/- NZART
P.O. Box 40-525
Upper Hutt.
or vhfrecords@nzart.org.nz

For record updates and rules to follow when claiming a record see:
www.nzart.org.nz/nzart/vhf and <http://www.nzart.org.nz/nzart/vhf/rules.html>

One of the many facets of Amateur Radio is operating in a contest. This is basically attempting to make as many contacts as possible in a given length of time. It's a great way to improve your operating skills and to prove the ability of your station for making contacts while having some fun. Depending on the rules of the specific contest, those contacts may be on one band, or all the bands (generally WARC bands excluded) and the mode can be Phone, CW or Digital.

In most overseas contests, only one contact with each station on each band is permitted during the contest period. However, in New Zealand, due to the relatively low number of amateur radio operators in the country, the total contest operating time is often broken into contest periods, typically of one hour. The same station can be worked in each new period. This helps keep the level of interest and activity up on the bands.

For the newcomer to contests, getting started requires nothing more than to read the rules for the particular event and after establishing contact with another participant in the appropriate or chosen mode, exchange the required information. This exchange of information usually includes an RS(T) report and a number starting with 001 and increasing by one for each contact. This incrementing number is by no means the only method used and other reports may require your CQ or ITU Zone Number, your age, your name or your NZART Branch number. The idea is to generate a report that can be verified by the receiving station and therefore complete the QSO.

There are basically two contest operating methods:

Running — select a clear frequency (if possible), call CQ Contest on Phone or CQ Test on CW and answer all callers.

Search and Pounce — tune the band(s) in use and answer each CQ you hear being called.

It goes without saying that a station with efficient antennas is going to be hard to beat, but even with a simple dipole, very good results can be obtained. After a few attempts, the incentive to improve antennas, equipment and operating skills will be great.

Another way to break into contest operating is to join a group that participates in contests such as Branch teams in the Jock White Memorial Field Day Contest or groups that take part in international contests, such as the group at Auckland Contest Group or the Quartz Hill Group in Wellington. These groups tend to take part particularly in the premier international contest — the CQ World Wide SSB and CW contests on the last week-ends of October and November. These contests are sponsored by CQ ham radio magazine, which also sponsors other contests.

To make closer contact with our neighbours across the Tasman, participation in a number of Australian contests is encouraged. Some of the Australian sponsored contests are; the John Moyle Memorial Field Day — third full weekend of March, trans/Tasman 80 m and 160 m Contest in May, June and July, Remembrance Day Contest—weekend nearest 15 August 0800 Saturday–0800 Sunday.

Contests organised by NZART

Jock White Memorial Field Day

Last full weekend in February, 40/80 m Phone/CW, Branch Field stations.

Thelma Souper Memorial

Refer to WARO column.

Sangster Shield Contest

Third full weekend in May 80 m, CW only, QRP and new operators.

Memorial Contest

First full weekend in July, 80 m Phone/CW/both, commemoration.

Waitakere Sprints (Sunday)

Last in July/first in August, 80 m Phone, CW separate, one hour sprints.

Doug Gorman Memorial Frequency Measuring

First Monday September, 80 m, Measure three frequencies.

Nostalgia Night

Second full weekend September 80 m AM/CW old or WW II equipment.

Oceania Contest

First and second full weekend October, All band Phone (first weekend) and CW (second week-end).

Straight Key Night

First Sunday November, 80 m CW, straight keys only.

The Thelma Souper Memorial is organised by WARO and the Waitakere Sprints are organised by the Western Suburbs Radio Club. Full rules of the contests are given below and these are also available on the NZART Contest website <<http://www.nzart.org.nz/nzart/update/contests>>. Any changes to the rules plus dates etc. are given in the Contests column in *Break-In*.

The calendar associated with the column lists the international and local contests for the coming months and gives full details of the more popular events.

Contesting, Internet and logging

The Internet is very complementary to amateur radio in many of the facets of the hobby and this certainly applies to contesting. There are many sites dedicated to contests, most with links to other contest and allied sites such as DXing, software etc. There are several contest calendars which list all of the international contests month by month with links to the particular contest rules, previous years results, high scores etc. Some of the Announced DXpedition web pages list the DXpedition stations that have announced activity in a particular worldwide contest.

Other websites have tools and aids for contesting such as logging programs like CT, TRLog, Writelog, N1MM Logger and Win-Test. These programs in some way allow one to practice Phone and CW Pile ups. However, another program, Morse Runner, a Freeware program, is an ideal training tool both for gaining competency in contest logging, but also for improving one's CW skills. Its variable user pre-set parameter settings allow one to commence at a comfortable pace and gradually build up speed and competency as one's skills improve. Those logging programs are used by many ZL and Overseas Contesters. Freeware programs are CT and N1mm Logger and the others are purchased from their developers. Website details for the availability of these contest logging programs are detailed later. Up-dates of the rules to the suite of programs serviced by these logging programs are advised from time to time, although those that make a charge for their software are more likely to have a more regular update policy, which also covers updates of IARU country data, DXCC and CQ Zone information.

Logging programs ease the log-keeping chore once keyboard skills are obtained, and provide many features to facilitate contest operating. The main worldwide and USA contests plus DXpedition mode can be selected within CT and TR. The DXpedition mode can be used as a home station log. These logging programs cater for phone and CW operation with the "F" and other general keys being used for CQing, sending the exchange etc. The CW speed can be varied. TR by N6TR has two modes "Running" (CQing) and "Search and Pounce". The programs also offer QSL label printing, interconnection with DX clusters and frequency changing of transceivers to DX spots. New features are added periodically. CT versions have progressed up to version 10. Versions 8 and 9 require a 386 PC or better. Some of the many websites related to contesting are:

Contest Calenders

<www.sk3bg.se/contest/index.htm>
<www.arri.org/contests>
<www.hornucopia.com/contestcal/>
<www.hamradio.de/contest>

CT Log Programme

<www.klea.com>

KA9FOX Contest Score Rumours

<www.qth.com/ka9fox/scores.shtml>

CQ Worldwide Contests

<www.cq-amateur-radio.com/awards.html>

Contest Resources & Information

<www.contesting.com>
<www.qsl.net/cwsp/k1ar92e.htm>
<<http://oh2aq.kolumbus.com/dxs>>

Announced DXpeditions

<www.usats.com/ce-dx.html>

As Contest Manager, I am happy to provide full information on almost any contest held worldwide. Enclose a self-addressed, stamped envelope with your request. Contests can be fun. Give it a go.

Jock White Memorial Field Day Contest

Last full weekend of February (21/22 February 2009)

This annual contest is named to honour Jock White ZL2GX, NZART Contest and Awards Manager for over 40 years, for the service that he gave to NZART during that time. This contest, like many others, results from Jock's initiatives.

Home stations are now valid contacts in this contest and are encouraged

to have a minimum of 50 phone or 25 CW QSOs and to submit a log entry. The minimum numbers apply to the band being used or 50 and 25 on each band if on both bands.

This contest is primarily to test Branch organisation and weld a team of workers together. There is work for all members — XYLs, OM's, YLs and SWLs.

Of Special Significance:

1. The term "Branch Points" replaces the more common term "multiplier" in these rules.
Refer rule 14.2. There is no change in concept, just a name change.
2. The minimum number of contacts for a field station to qualify as "Branch" points for other stations is 50 on Phone or 25 on CW. Refer rule 14.2.4.
3. Restrictions applying to the use of linear amplifiers are given in rule 7.1. Complaints about the use of linear's will be investigated.
4. Team leaders should ensure that all of the team understands the rules and that newcomers are assisted with their operating technique.
5. Stations should be operated within the amateur "codes" as regards procedures, equipment, operating speeds etc.
6. Have you considered entering the QRP section?
7. Rule 15.4 has been amended so that signing of logsheets by the operator is not compulsory. This has been changed because of difficulties in doing this with computer logging. However, it is essential that the operators check the log after their period of operation.
8. Rule 16.2.2 has been amended to include email address alongside of certificate address. Results can be sent to the email address given.

Rules

1. WHEN: The last full weekend in February each year:
Saturday 0200 — 1100, 1700 — 2400 UTC. (1500 — 2400 NZT)
Sunday 0000 — 0200 UTC (0600 — 1500 NZT).
2. Bands: 40 and 80 metres.
- 2.1. Simultaneous operation on 80 and 40 metres is permitted provided that only one receiver/transmitter is operational on any one band at any one time. Single receiver/transmitters may be used on one or both bands.
3. Modes and Contacts:
- 3.1. Modes to be used are phone and CW. Phone to CW contacts are not permissible.
- 3.2. Home stations will identify themselves as such and field stations will identify themselves as such.
4. Sites/Shelter: All equipment (except generators) to be under the same shelter. For field stations the shelter to be a tent (one or more tents within 10 metres of each other) erected on the weekend of the contest, mobile home or other vehicle (moved on to the site on the weekend of contest).
5. Antennae: for field stations to be raised no earlier than 2300 UTC on the Friday (1200 NZT on the Saturday). This takes into account that some may chose to erect antennae supports while others may use natural or standing supports. eg. hills, trees, towers, buildings etc.
6. Power: for field stations must be from a source independent of the AC or DC mains _ ie. all power must be from batteries/engine alternator/vibrator/solar source/wind generator etc.
7. Contest Sections: One section of the contest may be entered by any one station although that station may qualify for more than one section.
- 7.1. Open sections: The maximum output power from the transmitter final amplifier must not exceed the legal limit given in the Radio Regulations. Linear amplifiers may only be used to increase the power output of low power transmitters (eg 5 – 30 Watts) to the equivalent of a typical transmitter (ie nominal 100/150 Watts). These sections are for stations in the appropriate region or category. The trophies stated will be awarded to the highest scoring station in the section. Certificates will be issued to the winners of each section plus place getters as warranted by entry numbers.

Field Stations

- 7.1.1. Northern Region Section (Montgomery Cup)
- 7.1.2. Central Region Section (Patea Shield)
- 7.1.3. Midlands Region Section (ZL3/4 Trophy)
- 7.1.4. Southern Region Section ('4' Trophy)
- 7.1.5. Single Operator Section — operation unaided by any other person.
- 7.1.6. CW Only Section — operation on either band or both bands CW only.
- 7.1.7. Phone Only Section — operation on either band or both bands Phone only.
- 7.1.8. Other Power Section — power source solar, wind generator, water etc.

- 7.1.9. 80 Metres Only Section — operation on 80 metres only.

Home Stations

- 7.1.10. Northern Region Section
- 7.1.11. Central Region Section
- 7.1.12. Midlands Region Section
- 7.1.13. Southern Region Section
- 7.1.14. Overseas Section.
A certificate will also be awarded to the overall highest scoring home station.
- 7.2. QRP Section (W M Hall Memorial Cup): The maximum output power from the final amplifier of the field station must not exceed 5 watts.
8. Operators. The station should be operated by members of NZART except that operators being introduced to NZART and helpers need not be members. Indicate accordingly on the summary sheet.
9. Mobile Stations: are eligible for contest purposes as field stations for contacts made from within one branch area only. The branch number used will be that of the area where the station is operated.
10. Cypher Exchanges:
- 10.1. The cyphers given will consist of report and serial number/branch number. eg. 59001/11 on phone and 599001/11 on CW.
- 10.2. Serial numbers will commence at 001 and increment by one for each contact.
- 10.3. Where simultaneous operation is used a separate serial number series will be used for each band.
- 10.4. Phone and CW numbers on one band are from the same number series.
11. Branch Number: is the NZART Branch number for the area in which the field station is operated except that stations may move a few kilometres from their home area to a suitable location. eg. city to country. Home stations will use the Branch number 00.
- 11.1. If the field station chosen location is within another Branch area care must be taken not to clash with the other Branch station. The onus is on the 'moved' station to ensure that there is no clash.
- 11.2. The Branch number of Branches in recess may be used.
12. Contest Periods:
- 12.1. There will be 18 periods between the even hours. eg. 1500 – 1600, 1600 – 1700, etc.
- 12.2. Contacts may be made with any field, ZL home or 'overseas' (refer rule 13) station once each period on each mode on each band. ie. on 80m: once on phone and once on CW, and on 40m: once on phone and once on CW, each period.
- 12.3. The contacts with any one station on phone and CW on one band in a period, or on one mode at the end of one period and commencement of the next, may not be sequential except where 5 minutes have elapsed between those contacts.
13. "Overseas" Stations: are those located outside the New Zealand mainland, and in the South Pacific region. The prefixes that are eligible are: all VK, ZL5, 7, 8, 9, A3, FK, FO, FW, H4, P2, YJ, 3D2, 5W.
14. Scoring: The final score will be the total of contact points (80m + 40m) x total Branch Points.
- 14.1. Contact points:
ZL phone 3 per contact
ZL CW 5 per contact
Overseas phone or CW 10 per contact
- 14.2. Branch Points (multiplier):
- 14.2.1. One Branch point is claimed for each Branch contacted on each band and mode. eg. one Branch point for contacting Branch 01 on 80 m phone, two Branch points for contacting Branch 01 on 80 m Phone and 40 m Phone or 4 Branch Points for contacting Branch 01 on 80 m Phone and CW plus 40 m Phone and CW, etc. Enter one callsign in the appropriate summary sheet and total the columns to get a Branches number for summary sheet one.
- 14.2.2. Only one station from a branch may be claimed as a Branch point for a mode on one band. However, where a Branch has more than one station active different stations contacted may be claimed for the other band or mode.
- 14.2.3. Stations using the same Branch number may contact each other for contact points but not for Branch points.
- 14.2.4. To qualify as Branch points for other stations, a field station must have a minimum of 50 contacts on Phone or 25 contacts on CW on each band that the station is active on. eg. if active on 80 m Phone, must have 50 contacts to count as one Branch point, if active on 80m Phone and CW, must have 50 contacts on phone and 25 contacts on CW to count as two Branch points, etc.
15. Logs
- 15.1. One log per station in order of time, except that where simultaneous operation is used one log per band is required.

- 15.2. Head each page with the call, Branch or HS for home station and the page number.
- 15.3. Log sheet layout order: date/time/station contacted/CW or PH/band/cypher sent/cypher received. NZART log sheets are preferred. Entry in the points column is not required as totals are done from a summary, but the points column can be used for checking purposes. A total of PH/CW/DX contacts on each page is useful for counting purposes.
- 15.4. Use a separate logsheet per period except that where there are very few contacts per period, several periods (ruled off between periods) can be on one sheet. The operator (not logkeeper) must check the log.
- 15.5. Highlight or underline each contact claimed as a multiplier.
- 15.6. Check for accuracy and rule through any duplicate contacts in a period.
16. Summary.
- 16.1. The summary and final score details are to be on the 'Jock White Memorial Field Day' summary forms provided to Branch secretaries each year and also available from NZART HQ and the NZART website <<http://www.nzart.org.nz/nzart/update/contests>>.
- 16.2. Summary Sheet 1 contains:
 - 16.2.1. Callsign used Branch name & number or HS for home station
 - 16.2.2. Postal address for certificates and email address for results
 - 16.2.3. Section entered (one only)
 - 16.2.4. Names & Calls of operators/assistants
 - 16.2.5. No. of 80 m phone contacts
No. of 80 m CW contacts
No. of 80 m overseas contacts
 - 16.2.6. No. of 40 m phone contacts
No. of 40 m CW contacts
No. of 40 m overseas contacts
 - 16.2.7. Calculation of contact points
 - 16.2.8. Branch points claimed for 80 phone
Branch points claimed for 80 CW
Branch points claimed for 40 phone
Branch points claimed for 40 CW
Total Branch points
 - 16.2.9. Total points claimed (contact points x total Branch points)
 - 16.2.10. List transceivers/generator etc/power output
 - 16.2.11. Certification of power output and rule observance by two operators (except for single operator stations)
- 16.3. Summary Sheets 2 and 3 contain a table for listing the CALLSIGN of the station claimed as a Branch point for each branch on each band and mode. Count the number in each column and transfer the figure to summary sheet 1.
17. Closing Date: Logs should be posted to reach Stuart Watchman, 33 Brooklyn Drive, Blenheim by the Saturday which is four weeks after field day Saturday. eg. If Field Day is held February 23/24, logs to be received by 24 March (in a non – leap year). Late logs will not be eligible.
8. To give QRP contestants a fair chance (particularly with DX stations) higher power stations are requested to operate above 3530 kHz.
9. Logs:
 - 9.1. Quarto or A4 size paper – preferably NZART log sheets.
 - 9.2. Data in this order: Date, Time, Station Call-sign, Cypher Sent, Cypher Received, Points Claimed.
 - 9.3. On a separate sheet a summary to show:
 - 9.3.1. Entrant's callsign, name and address in BLOCK LETTERS.
 - 9.3.2. Number of contacts with stations using 5W or less.
 - 9.3.3. Number of contacts with stations using 6W or more.
 - 9.3.4. Number of contacts with overseas stations.
 - 9.3.5. List of different branches worked with the number and name of each branch as given in the Call Book (in branch number order) plus the callsign of the station claimed for that branch.
 - 9.3.6. Total score – (total points multiplied by the number of branches worked).
 - 9.3.7. Description of equipment, antenna and output power used.
 - 9.3.8. Signed declaration that all contest rules have been observed.
 10. Cypher system:
 - 10.1. RST followed by branch number followed by power output – eg 569/11/04, indicating a 569 report; branch 11; and power of 4W. Power will always be given as two figures: over 100W will be given as 99, while below 10W will be preceded by 0.
 - 10.2. Overseas stations are required to give RST plus a serial number beginning at 001.
 11. Scoring:

For ZL entrants:

 - 11.1. ZL to Overseas – 10 points
 - 11.2. ZL to ZL with Power given as 5 W or less – 5 points.
 - 11.3. ZL using 5W or less to ZL with Power given as 6W or more – 1 point
 - 11.4. ZL using 6W or more to ZL with Power given as 5W or less – 1 point
 - 11.5. ZL using 6W or more to ZL with Power given as 6W or more – not permitted for contest purposes.

For Overseas entrants:

 - 11.6. Overseas using 5W or less to ZL with Power given as 5W or less – 10 points.
 - 11.7. Overseas using 5W or less to ZL with Power given as 6W or more – 5 points.
 - 11.8. Overseas using 6W or more to ZL with Power given as 5W or less – 5 points.
 - 11.9. Overseas using 6W or more to ZL with Power given as 6W or more – not permitted for contest purposes.
 - 11.10. Overseas to Overseas – not permitted for contest purposes.

Final score is total points multiplied by the Number of Branches worked. Note: Contacts with a Contestant's own Branch are OK for points but are not to be counted as a multiplier.
 12. Mobile or Mobile/Portable operation will be permitted for New Zealand stations, however, the station must be operated from one location each evening. This means a station could operate from one location the first evening and another location on the second evening. The station must use the Branch number applicable to its location at the time. The entrant may combine both logs for contest purposes, but the logs must indicate their locations on both evenings. In this case then only one branch (either) is to be eliminated as an "own Branch" multiplier. Overseas Stations may be mobile or portable, but a maritime mobile station must be outside New Zealand's territorial waters to be counted as a DX contact.
 13. Discounted Contacts:

The Contest Manager expects that participating stations will provide a fair chance for all entrants to make contact with them. While it is not intended to discourage contestants from operating only part of the full contest it is considered that at least 20 contacts should be made and station operation should be over at least 3 half hour operating periods. Stations considered to have worked less than this requirement will have their contacts and branch multiplier contribution deducted from contest logs.
 14. Awards:
 - 14.1. Sangster Shield: to the highest scoring entrant using 5W or less and observing the rules as enumerated. (Note that all first time entrants qualifying for the Transistor Trophy will also be eligible for the Sangster Shield Award)
 - 14.2. Transistor Trophy: to the highest scoring entrant using 5W or less and observing the rules as enumerated, but in addition who has been licensed for 12 months or less. Entrants must give Operator's Certificate number together with date of issue.
 - 14.3. The "Arthur Stevens Trophy": will be presented to the highest scoring South Island entrant using 5W or less. (This trophy is in honour of Arthur, formerly ZL1MT, a very long time stalwart of the Sangster

NZART Sangster Shield Contest

Presented to the amateurs of New Zealand by Mr R. Sangster in 1927, the Sangster Shield is for annual competition to be won by the most efficient station. In this respect it should be pointed out, that in addition to the efficiency of the equipment used, the efficiency of the operator is of the utmost importance. To win this contest marks an operator as one who not only knows how to obtain the most effectiveness from low power but also one who is most proficient in the art of telegraphic communication.

Rules

1. When? Third full weekend of May each year, between the hours of 2000 NZST and 2300 NZST on each evening. The maximum period of operation will be six hours.
2. Power: To compete for the Sangster Shield and Trophies the output of the transmitter must not exceed 5 Watts.
3. CW to CW contacts only are permitted.
4. All operations must be in the 80 m band.
5. Contacts:
 - 5.1. QSOs with any one station are permitted once only each half hour, based on an "even half hour" basis, eg 2000 to 2030, 2031 to 2100 etc.
 5. It is not permissible to claim QSOs with the same station "twice running", i.e. at the end of one half hour period and at the beginning of the next, unless a different station is contacted by one of the two stations between QSOs, or a time delay of at least five minutes elapses between QSOs.
6. All ZL entrants must be financial members of NZART, except for first time entrants qualifying for the Transistor Trophy.
7. All Radio Regulations must be observed.

Shield Contest).

- 14.4. Certificates to the first three entrants using 5W or less, also to the first three "newly licensed" entrants qualifying for the Transistor trophy.
- 14.5. Certificate to entrant using 6 W or more with the highest score.
- 14.6. Certificates to Overseas entrants with the highest score in their respective call areas.
- 14.7. Certificate to the branch with the highest aggregate score from three entrants operating in the QRP section. A minimum of three entrants are required to be eligible for this section. The top three scoring entrants for any Branch will automatically be aggregated – it is not necessary for a Branch to send in an entry for this section.
- 14.8. Logs must be posted to reach the Contest Manager, Glenn Kingston ZL2KZ, 53 Tannadycy Street, Wellington 6003, on or before the third Thursday of June.

NZART Memorial Contest

To commemorate those from our ranks who lost their lives in World War 2.

When: First Saturday and Sunday evenings in July. Six operating periods of one hour each from 2000 NZST to 2300 NZST each evening.

1. Usual contest rules apply.
2. Single operator stations on the 80 metre band.
3. A station may be contacted twice during each operating period – once on Phone and once on CW provided that such contacts are not consecutive.
4. Mobile operation is permitted.

5. Cypher System: Cyphers must be exchanged and acknowledged before points may be claimed for a contact. The cypher will consist of the RS(T) followed by a serial number starting at any number between 001 and 300 for the first contact and incrementing by one for each successive contact, eg if the first number is 599007, the next contact will be 599008 etc.

6. Scoring:

Phone One point per Phone QSO.

CW Two points per CW QSO.

Multiplier The multiplier is one for each new prefix worked on Phone and one for each new prefix on CW.

Total score Multiply the total of Phone and CW contact points by the multiplier. eg, for 100 Phone QSOs with ZL1, ZL2, ZL3, ZL4 and ZL6, the score is $100 \times 5 = 500$. For 100 Phone QSOs with ZL1–4 and 50 CW QSOs with ZL1–4, ZL6, VK1–3, W7, the score is $(100+100) \times 9 = 1800$.

7. Logs

The official log sheets available from the NZART Business Manager are the preferred log sheets. Logs must show contacts in correct order of time. Do not group all ZL1, ZL2, ZL3 etc. contacts together.

8. Summary A separate summary sheet must be completed and attached to the log sheets. This must show the following:

8.1. Call-sign of station and NZART Branch of which a member.

8.2. Name and full address of operator.

8.3. Section in which competing:

8.3.1. Open phone and CW (Memorial Trophy).

8.3.2. Open CW only (Auckland CW Cup).

8.3.3. "Beginners" CW only (Laing-Smith Cup).

Competitors in this section must state the number of their operator's certificate and the date of issue.

8.3.4. Low power phone and CW (Mannell Trophy).

8.3.5. Home made SSB equipment (Brother John Rodgers Plaque).

8.3.6. Phone only (Phil Armstrong Plaque).

8.3.7. Listeners section. Rules as for the transmitting sections except that only the cypher sent by that station heard should be given. The callsign of the station heard and also of the station being "worked" must be stated.

8.3.8. Australian section. Rules as for the Open section.

8.4. Brief description of equipment used and power output.

8.5. Points summary (see Table 1).

8.6. Signed declaration that the contest rules and Radio Regulations have been observed.

9. Submission

All logs to be sent to "Memorial Contest Log", John Powell, ZL1BHQ, please refer to <http://www.grz.com> for address details.

10. Trophies

Memorial Trophy

Donated by NZART in 1946. To be held for 12 months by the competitor with the highest score. Phone and CW may be used but contacts must be phone to phone or CW to CW. Phone to CW or vice versa is not permitted. A miniature is also awarded with the trophy, becoming the winner's personal property. Auckland

Shortwave Cup

Donated by the Auckland Shortwave Club in 1933 for Morse competitions.

To be held for 12 months by the competitor operating CW only, who returns the highest score. Contacts must be CW to CW. Power limit is 150 Watts.

Laing-Smith Cup

Donated by Mr. L. E. Laing-Smith ZL1BO in 1958. To be held by the competitor returning the highest CW score who, at the time of the contest, has held an amateur operator's certificate for no longer than 12 months. Contacts must be CW to CW. Power limit is 150 W. This is to encourage CW operation amongst new hams. To quote ZL1BO "Any method of inducing or encouraging the new hams to use CW until they are at least pro-ficient" has my support.

Mannell Trophy

Donated by Mrs Mannell in memory of her son, who was killed in an aircraft accident while serving with RNZAF. To be held for 12 months by the competitor using a power not exceeding 10 Watts who returns the highest score. Phone and CW may be used but contacts must be phone to phone or CW to CW.

Ron Gray Memorial Shield

Presented by Mr. And Mrs. D Gray and Jock White ZL2GX in memory of Ron ZL1304, who was a regular competitor in the Listeners' Section, for the highest SWL score.

Brother John Rodgers Memorial Plaque

Presented by a group who appreciated his contribution to the hobby. For the competitor with the highest score using home made SSB transmitting equipment.

Phil Armstrong ZL1BMC (VK7MC) Memorial Plaque

To be held on an annual basis by the competitor with the highest score on phone only. All contacts must be phone to phone.

	CONTACTS	POINTS
PHONE		$\times 1 =$
CW		$\times 2 =$
CONTACT PTS		PHONE + CW
NUMBER OF PREFIXES		Attach list of prefixes
	CONTACT PTS	PREFIXES
TOTAL SCORE	\times	TOTAL

Waitakere Sprints 2008

The Papakura Radio Club Inc. is pleased to announce that the Waitakere Sprints will continue. The Sprints will be the same as previously held, the Phone Sprint will be on the last Saturday in July and the CW Sprint will be on the first Saturday in August.

The Sprints are of one-hour duration on 80m, and are open to all licensed amateurs in ZL, VK and Oceania call areas.

Object of the Sprints

The operator's basic goal in the sprints is to make as many contacts as possible, without duplication, during an hour of operation on a single band. Any contact with ZL, VK or Oceania stations on 80m during the contest period can be counted, but a station may be claimed only once.

Eligibility

The Waitakere Sprints are open to all licensed amateurs anywhere in the ZL, VK and Oceania call areas. SWL logs will also be welcome.

2008 Contest Periods

Phone 1000 to 1100 UTC, on Saturday 26th July

CW 1000 to 1100 UTC, on Saturday 2nd August

Frequencies

Phone: 3.550 to 3.700 may be used.

CW: 3.500 to 3.550 may be used.

Power

In fairness and consideration to others NO LINEAR AMPLIFIERS are to be used during the contest.

Contest call

CQ Contest, CQ Sprint or CQ Test.

Awards

Certificates will be awarded to the overall winner and to the best score in each ZL call area and to the best three scores from VK/Oceania.

Special Award

To encourage contestants to enter both Sprints we have decided to issue a Special Certificate to the entrant with the Highest combined score. The method of calculation will be: (Phone points + CW Points) x 2. All logs received will be considered for this award. To qualify for the multiplied points each log must contain a minimum number of valid contacts. ie. Ten (10) for Phone and Five (5) for CW.

Logs

A separate log must be submitted for each Sprint and must be clearly marked PHONE or CW. Contest logs must show for each contact:- Date, Time, Callsign of station worked, Signal report and serial number sent, Signal Report and serial number received. SWL logs must show both Callsigns in the QSO also both Signal Reports and serial numbers. Logs are to be in the hands of the Manager, Waitakere Sprint by 1 September.

Sample Log

Date	Time	Station Worked	Report & Serial Sent	Report & Serial Received	Points

Postal address:
Manager Waitakere Sprint
PO Box 72 397
PAPAKURA 2244

Email is the preferred method of log receipt. A Plain text file named (yourcallPh.txt or yourcallCW.txt) with a tab or space between each column.

Email to prc@ihug.co.nz
An email confirming receipt of logs will be sent as logs are received.

Closing Date For Logs

No later than 1st September.

Operator Information

Each log must show the following details.

Mode
Callsign
Name
Address
Operating area (Eg. ZL1,ZL2,VK, Oceania)
Total Number of contacts claimed

A declaration that the operator has abided by the rules and spirit of the contest. Any entry which is clearly in violation of the rules or spirit of this contest or which contains an excessive number of duplicate contacts (this does not refer to duplicates which have been indicated as such and are not claimed) may be disqualified. The decision of the Waitakere Sprint Manager in respect of interpretation of these rules, the granting of awards and disqualifications will be final and no correspondence will be entered into.

Doug Gorman Memorial Frequency Measuring Contest

When?

First Monday in September at 0915 UTC (2115 NZT).

1. Listen to ZL6A on approximately 3900kHz for instructions on the frequencies that will be used and the procedure to be adopted. All instructions will be given by ZL6A.

2. Read each frequency as accurately as possible. To qualify for an award it is essential to read each of the three frequencies.

3. Post your entry to: Doug Gorman Frequency Measuring Contest, NZART, PO Box 40-525, Upper Hutt.

4. Entries should be sent within seven (7) days, together with details of equipment used and which section entered (eg, John McKim Cup or Norm Edwards Shield).

5. Judging

The degree of accuracy will be judged by subtracting your readings from the official reading. The resultants will be averaged to arrive at a final degree of accuracy.

6. Awards

6.1. John McKim Cup for those using simple direct reading type of equipment such as a receiver using a calibrated dial or LED readout to one decimal place, ie 3900.0 kHz. A simple heterodyne type frequency meter (BC221/LM10, etc), whether commercial or homemade.

6.2. Norm Edwards Shield for those using "sophisticated" equipment which might include receivers with LED readout to two or more decimal places (ie, 10 Hz or better). Computer, oscilloscopes, audio generators, etc, used singly or in combination, whether commercial or home made.

6.3. Branch Award certificate to the branch with the lowest average of the three best competitors. If you wish to support your Branch, state you Branch number and name on your entry form.

6.4. Certificates to all those whose average deviation is 200 Hz or better. If you make readings during this activity, but do not wish to have your results published, please drop us a line so we know how many people were interested.

73 de Neil ZL2TNG and Gavin ZL2ACT

Nostalgia Night Contest

Haul out that old equipment, dust off the cobwebs, check it over and join in a night of nostalgia and fun.

This year's contest will be in three sections, catering for the varied interests within the old equipment ranks.

- 1. QRP
- 2. Military
- 3. Open

The overall winner shall be the entrant having the highest points score which will be published in the following Break-in.

WHEN:

Second Saturday each September
Four operating periods – each half an hour
Local ZL time:
1930-2000 hrs
2000-2030 hrs

Doug Gorman Memorial Frequency Measuring Contest 2000 Entry Form

Name _____ Call-sign _____

Branch _____

Details of all equipment used:

Make _____ Model _____

Comments _____

Section entered (please tick):

John McKim Cup Norm Edwards Shield Branch Award

Measured Frequencies:

1. _____ kHz 2. _____ kHz 3. _____ kHz

Post entry to: Frequency Measuring Contest, NZART, PO Box 40~525, Upper Hutt

2030-2100 hrs
2100-2130 hrs

EQUIPMENT:

Any rig of the past that uses thermionic valves, be it home made, of military origin, commercial or amateur, no solid state or ssb type equipment is acceptable for this event.

CYPHER
Rs(t) Plus branch number.

POINTS:

Three points for AM phone to AM phone QSO. Six points for CW to CW QSO. Only AM and CW contacts are valid for this competition.

MULTIPLIER:

Each NZART branch worked (e.g. Ten branches worked overall and thirty contacts:

10x30=300, not 10 branches each period)
ZL1 to ZL3 or ZL4 or reverse multiply by 1.2
ZL2 to ZL4 or reverse multiply by 1.2

TOTAL POINTS

QSO points multiplied by number of branches.

BUT

1. QRP section-if your rig is 5w or less input, then multiply your score by 1.5

2. If your rig is of military origin i.e. ZC1, ARC5, 19 SET, then multiply your score by 1.2

3. Open section – if your rig is other than 1 or 2 but within the power limit no multiplier (the power limit is the legal power limit).

BUT

Only one multiplier may be chosen (e.g. military OR QRP – not both).

Repeat QSOs:

These are permitted each operating period on phone and cw, but no consecutive contacts with the same station.

LOGS:

Send to: Nostalgia Contest, Mike Digby-Smith ZL1MDS, 6 Baird Ave, Te Kauwhata within seven days with the following data

1. Number of QSOs on CW.
2. Number of QSOs on AM phone
3. Number of different branches worked
4. Score claimed (points x branches).
5. Overall score claimed (points in 4 multiplied by section 1 or 2 as applicable)
6. Details of equipment used for the event.
7. Any comments about event or suggestions
8. Do not send a copy of your log or contacts just the above information.
9. Have a lot of fun on the night.

Mike Digby-Smith ZL1MDS
mikeds@callsouth.net.nz
Barrie Vivian ZL2LA

Oceania DX Contest

1. Special notes (2004)

- Electronic logging is now compulsory for logs containing more than 50 contacts (2004 rule change), see rules 12 and 13 for details. While paper logging is still acceptable for a few contacts, it is much easier for the contest committee to get the results out quickly if electronic logs are provided. Electronic logs are to be in cabrillo format which is now generated by all of the popular contest logging software (2004 rule change).
- A reminder that Single-Op Single Band logs are to record all contacts made by the station – both on the band chosen for the entry and on any other bands (2002 rule change).
- Stations must log a minimum of 10 contacts to be eligible for an award (2004 rule change).
- A new trophy is available for the top Oceania station in the Single Operator All Band CW category (2003 rule change).
- Further information on the contest is available from the Oceania DX Contest website at <www.oceaniadxcontest.com>.

2. Aim of contest

The aim of the contest is to promote HF contacts with stations in the Oceania region (VK, ZL, Pacific Islands and other locations within the IARU "Worked All Continents" Oceania boundary).

3. Contest periods

Phone Contest: 0800 UTC Saturday to 0800 UTC Sunday on the first full weekend in October.

CW Contest: 0800 UTC Saturday to 0800 UTC Sunday on the second full weekend in October.

4. The object is for:

- Oceania transmitting stations to contact as many stations as possible both inside and outside the Oceania region.
- Non-Oceania transmitting stations to contact as many as possible inside the Oceania region. There is no penalty for work-ing non-Oceania stations but contacts between non-Oceania stations will score no points or multiplier credits.
- Oceania receiving stations (SWL) to hear as many contest stations as possible both inside and out-side the Oceania region.
- Non-Oceania receiving stations (SWL) to hear as many contest stations as possible inside the Oceania region.

5. Bands

160 m–10 m (no WARC bands).

6. Entry categories

- Single Op – Single operator, all bands or single band. Single operator stations are where one person performs all operating, logging and spotting functions. Only one transmitted signal is allowed at any time.
- Multi-One – Multiple operators, single transmitter, all bands. Only one transmitter and one band permitted during the same time period (defined as 10 minutes). Exception: one – and only one – other band may be used during any 10-minute period if – and only if – the station worked is a new multiplier. Logs found in violation of the 10-minute rule will be reclassified as Multi-Multi. All operation must take place from the same operating site.
- Multi-Multi – Multiple operators, multiple transmitters, all bands. No limit to transmitters, but only one signal and running station allowed per band. Note: all transmitters and receivers must be located within a 500-metre diameter area or within property limits of the station licensee, whichever is the greater.

All operations must take place from the same operating site.

SWL—Short Wave Listener (receive only). All bands.

7. Exchange

RS(T) report plus a three or four digit number starting at 001 (or 0001) and incrementing by one for each contact. If necessary, Multi-Multi entries can use a separate serial number for each band.

8. Multiplier

The multiplier is the number of different prefixes worked. Note that the same prefix may be counted once on each band for multiplier credit.

A *prefix* in the letter/numeral combination that forms the first part of the amateur call – the same as the CQ WPX contest definition.

Examples of valid prefixes are N8, W8, HG1, HG19, KC2, OE2, OE25, etc. Any difference in the numbering, lettering, or order of the same shall constitute a separate prefix. A station operating from a DXCC country different from that indicated by its call-sign is required to sign portable. The portable pre-fix must be an authorised prefix of the country/call area of operation. In cases of portable operation, the portable designator will then become the prefix. Example: N8BJQ operating from Wake Island would sign N8BJQ/KH9 or N8BHQ/NH9. KH6XXX operating from Ohio must use an authorised prefix for the US eighth district (W8, K8, etc). Portable designators without numbers will be assigned a zero () 0 after the second letter of the portable designator to form the prefix. Example: N8BJQ/PA would become N8BJQ/PA. All calls without numbers will be assigned a zero (0) after the first two letters to form the prefix. Example: XEFTJW would count as XE. Maritime mobile, mobile, 0/A, /E, /J, /P, or interim licence class identifiers do not count as prefixes.

Special event, commemorative, and other unique prefix stations are encouraged to participate. Prefixes must be assigned by the licensing authority of the country of operation.

9. Contact points

All entries score 20 points per contact on 160 m; 10 points on 80 m; five points on 40 m; one point on 20 m; two points on 15 m; and three points on 10 m.

Note that the same station may only be counted once on each band for contact point credit.

10. Final score

The final score is the sum of the contact points multiplied by the multiplier (total number of prefixes worked), ie, sum of contact points from all bands

multiplied by the total number of prefixes worked on all bands. Remember that the same prefix can be counted once on each band.

11. General Log requirements

Transmitting entries are to submit a log showing the following details for each contact – band or frequency, mode, date, time in UTC, call-sign of station worked, RS(T) and serial number sent, RS(T) and serial number received. Single-operator single band logs are to record all contacts made by the station – both on the band chosen for the entry and any other bands. Multi-One logs must be submitted in date/time order.

SWL entries are to submit a log showing the following details for each contact – band or frequency, mode, date, time in UTC, call-sign of "station heard", call-sign of "station being worked", RS(T) and serial number sent by the heard station. The same call-sign may appear only once in any group of three consecutive entries in the "station being worked" column. Note that in the case of non-Oceania SWL entries, only Oceania call-signs should appear in the "station heard" column. All duplicate contacts must be shown – do not delete duplicate contacts. No penalty will be applied to duplicate contacts. Although no signed declaration is required, by submitting a log, you are deemed to have made a declaration that you observed the contest rules and operated within the limits of your licence.

12. Electronic Logs

Electronic logs are preferred and are compulsory for logs containing more than 50 contacts. Electronic logs are to be submitted in Cabrillo format. The Cabrillo log file must include both an accurately completed header (containing the summary information) and the QSO log data. All of the fields in the Cabrillo header must be completed except for the ARRL Section, Power Category Overlay and Soapbox lines. SWL entries are to use the same Cabrillo QSO line format as transmitting stations, except there is no requirement to include the received RS(T) and serial number information. See www.oceaniadxcontest.com for the latest information on the Cabrillo format requirements. The log file name is to be in the form call-sign.log, for example, if ZL2WB submits a Cabrillo file then it should be named zl2wb.log. Send the file as an e-mail attachment to <ph@oceaniadxcontest.com> (for Phone entries) or <cw@oceaniadxcontest.com> (for CW entries).

Note that the log file must be sent as an attachment, not as text or content within the e-mail message. The e-mail message subject line must include the entry's call-sign, Mode (CW or Phone), entry category and the word "OCEANIA". Do not zip files and only include one log entry in each submission. The Committee is considering introducing an e-mail robot to automate the checking of the incoming Cabrillo logs. Further information will be posted at <www.oceaniadxcontest.com>.

13. Paper Logs

Electronic Logs are preferred (as per the requirements in 12 above) but if this is not possible then paper logs in the Oceania DX Contest format are acceptable, provided they contain less than 50 contacts. Each paper log is to be accompanied by a summary sheet that clearly states:

- The station's call-sign.
- Operator call-sign(s).
- Entrant's name and mailing address (for receipt of awards).
- Mode and Category entered.
- Contact points claimed on each band.
- Number of multiplier prefixes claimed on each band.
- Total claimed score.

Official log sheets and summary can be downloaded from the Oceania DX Contest website at <www.oceaniadxcontest.com> or obtained by sending a Self Addressed and Stamped Envelope to the address below with sufficient return postage. If official forms are not available then you may make your own in accordance with the general requirements outline above and in Section 11. Paper Logs are to be posted to: Oceania DX Contest, C/- Wellington Amateur Radio Club Inc., PO Box 6464, Wellington 6030, New Zealand. Only one entry is to be included in each submission. Airmail is preferred if you are submitting a log from outside VK or ZL.

14. Deadline

All logs must be e-mailed or postmarked NO LATER than November 7. The reception of logs will be confirmed via e-mail (for electronic submissions) and a listing of all logs received will be posted on the Oceania DX Contest website at <www.oceaniadxcontest.com>.

15. Awards

To be eligible for an award, stations must log a minimum of 10 contacts. Certificates will be awarded to the top-scoring station in each category listed under Section 6 for each IARU WAC continent and each country. The following trophies and plaques will also be awarded.

Oceania

- Top entrant from Oceania in Single Operator All Band Phone category—Ron Wills ZL2TT Memorial Trophy sponsored by ZL2GI, ZL2AL, Wellington Amateur Radio Club and NZART.
- Top entrant from Oceania in Single Operator All Band CW category—trophy sponsor to be confirmed.
- Top entrant from VK in Single Operator All Band CW category—Frank Hine CK2QL Memorial Trophy sponsored by WIA Federal.
- Top entrant from VK5 or VK8 call areas in Single Operator All Band Phone category—Plaque sponsored by WIA South Australia Division.
- Top entrant from VK5 or VK8 call area in Single Operator All Band CW category—Plaque sponsored by WIA South Australia Division.
- Top entrant from VK7 call area in Single Operator All Band phone category—Plaque sponsored by WIA Tasmania Division.
- Top entrant from VK7 call area in Single Operator All Band CW category—Plaque sponsored by WIA Tasmania Division.

Asia

- Top Entrant from Asia in Single Operator All Band Phone category—Plaque sponsored by Australia Eastern Mountain and Districts Radio Club.
- Top Entrant from Asia for Single Operator All Band CW category—Plaque sponsored by Australia Eastern Mountain and Districts Radio Club.

North America

- Top entrant from North America in Single Operator All Band Phone category—Plaque sponsored by N6RO.
- Additional awards may also be allocated at the discretion of the Contest Committee.

16. Disqualification

Violation of the contest rules, unsporting conduct, taking credit for excessive unverifiable contacts or multipliers will be deemed sufficient cause for disqualification. The use of non-amateur radio means such as telephones or e-mail, or the use of Packet, to solicit contacts during the contest is unsporting and the entry may be subject to disqualification. In matters of dispute, the actions and decisions of the Contest Committee are final.

17. Further information

The latest information about the contest will be published on the Oceania DX Contest website at <www.oceaniadxcontest.com>. Any questions can be e-mailed to <info@oceaniadxcontest.com> or posted to Oceania DX Contest, C/- Wellington Amateur Radio Club Inc, PO Box 6464, Wellington 6030, New Zealand.

NZART Straight Key Night

Polish and lubricate that old morse key and enjoy an evening of old time radio fun. An activity night in which everyone can be a winner with a certificate to prove it.

When: First Sunday in November 2000–2300 NZST.

Band: 80 m (3.5 MHz) only.

Mode: CW sent with straight key ie characters formed manually, no system of automatic dots, dashes or spacing permitted.

Divisions: Vintage QRP, Vintage QRO, Open QRP, Open QRO. Explanation: Vintage: Receiver and transmitter or transceiver using valves, no solid state devices in the signal line permitted. QRP: 5 watts or less RF output.

Exchange: RST/QTH/operator's name (one word)/key used (e.g. ZC1, P&T)/TX type (eg ZC1, FT1000, homebrew)/TX power (watts). Except for DX stations (ie non ZL mainland) only rst, operators name, and QTH need be exchanged.

Scoring: 1 Point per QSO. Stations may be worked once, CW to CW only. All stations submitting logs must use a straight key throughout, but straight key stations may QSO stations using bugs, electronic keyers or keyboards.

Multipliers: Vintage QRP multiply total points x2, Open QRP multiply x1.5, Vintage QRO x1.2, Open QRO x1.

Logs: Each log QSO entry to show: Time (NZST or Z), callsign, RST, QTH, name, key type, Tx type, Tx power (of station worked). Calculate total score, multiply to give total score claimed. Logs to have associated data sheet giving entrant's: name, call-sign, QTH, age (optional), full description of equipment used ie key, Tx/Rx, Tx power, antenna.

Send logs by email, mail, fax, on or before November 20 to: Ken McCormack ZL1AIH, 181 Ararimu Valley Road, Waimauku, Auckland or E-mail address <zl1aih@xtra.co.nz>.

Certificates will be sent to the top three stations in each Division (including DX entrants who send in logs). All other entrants will receive a personalised certificate if an A4 self-addressed envelope is sent to the Straight Key Night manager. Any photos of operators and/or equipment gratefully received. There are five contests which are spaced over the period of a year. The contests are during Saturdays and Sundays, with 1 hour contest periods occurring from 1600 to 2200 on the Saturday and 0800 to 1400 on the Sunday.

Boat Anchor Sprint Rules:

This is in two sections:

Section 1: Old radios – all valves – i.e. ZC1, 19 set, Heathkits, any home brew set, but must have all valves.

Section 2: Any Hybrid transceiver (must have valve finals i.e. FT200, FTDX400/401, Drake, FT 101s, etc.

Amplitude Modulated signals only.

The overall winner shall be the entrant having the highest points score which will be published in the following Break-in.

WHEN:

The second Saturday each February, April, June, August, October.

One operating period

Local ZL time: 2000 to 2100 hrs

CYPHER:

RS

POINTS:

One point for phone to phone QSO. No repeat QSO's:

Stations may be worked a maximum of once on AM phone.

There will be no multipliers.

LOGS:

Send to: Boat Anchor Sprint, Mike Digby-Smith ZL1MDS, 6 Baird Ave, Te Kauwhata within seven days with the following data

1. Number of QSO's
2. Overall score claimed
3. Details of equipment used for the event.
4. Any comments about event or suggestions
5. Do not send a copy of your log or contacts just the above information.
6. Have a lot of fun on the night.

NEW ZEALAND VHF/UHF/SHF/EHF CONTESTS

There are five contests which are spaced over the period of a year. The contests are during Saturdays and Sundays, with 1 hour contest periods occurring from 1600 to 2200 on the Saturday and 0800 to 1400 on the Sunday.

The Contests are

Cliff Betson Memorial Contest

All bands 50 MHz and up. Usually aligned the Australian Ross Hull Field Day (second weekend in January).

Hibernation Contest

All Bands 50 MHz and up. First weekend in April (delayed a week if it coincides with the Technology Convention).

Brass Monkey Contest

All bands 50 MHz and up. First weekend in July.

Microwave Contest

All Bands 614 MHz and up. First weekend in October.

VHF Field Day

All Bands 50 MHz and up. First weekend in December.

A large number of portable/ field stations take part, and the participation of home stations and stations from clubrooms is highly encouraged. In the last few years the number of stations participating has increased. VHF Field Day is well supported, but the popularity of the other contests would be helped by more participants. The distances covered are often 400 to 600 km on 2 m and 70 cm, while the microwave bands can exceed several 100 km, depending on conditions. There is a ZLVHFCONTEST reflector on Yahoo Groups, which is supported by many of the contest operators. Other activities are sometimes posted there as well. It is recommended that radio equipment, batteries and other hardware used for field days is well checked beforehand as parts may go faulty, missing or flat.

Last thing ... Have Fun.

For further VHF/UHF/SHF/EHF contest information go to <<http://www.nzart.org.nz/nzart/Update/Contests/vhfcontestrules.html>> or contact me either via email at <rfman@xtra.co.nz> or via the Call Book address of ZL1UJG.

Kevin Murphy ZL1UJG

WORLD HF CONTEST CALENDAR

MODE	CONTEST	SPONSOR	WEEKEND	TIMES
January				
CW	HA-DX	MRASZ (Hungary)	Third full	Saturday 0000–Sunday 2400
CW	CQ WW 160	CQ Magazine	Last full	Saturday 0000–Sunday 2400
PH	Belgium DX	UBA	Last full	Saturday 1300–Sunday 1300
CW	French DX	REF	Last full	Saturday 0600–Sunday 1800
February				
R	CQ/RJ WW RTTY WPX	CQ Magazine/RTTY	Second full	Saturday 0000–Sunday 2400
M	PACC	VERON (Netherlands)	Second	Saturday 1200–Sunday 1200
CW	ARRL-DX	ARRL	Third full	Saturday 0000–Sunday 2400
PH	CQ WW 160	CQ Magazine	Last full	Saturday 0000–Sunday 2400
PH	French DX	REF	Last full	Saturday 0600–Sunday 1800
CW	Belgium DX	UBA	Last full	Saturday 1300–Sunday 1300
March				
PH	ARRL-DX	ARRL	First full	Saturday 0000–Sunday 2400
CW	Commonwealth	RSGB	Second full	Saturday 1000–Sunday 1000
R	BARTG	BARTG	Third full	Saturday 0200–Monday 0200
M	Russian DX	RDXC	Third full	Saturday 1200–Sunday 1200
PH	CQ WPX	CQ Magazine	Last full	Saturday 0000–Sunday 2400

April				
PH	SP-DX	PZK (Poland)	First full	Saturday 1500–Sunday 1500
M	YU-DX	Yugoslavia	Third full	Saturday 1200–Sunday 1200
M	Holyland DX Contest	IARC (Israel)	Third full	Saturday 0000–Saturday 2359
M	Helvetia	USKA (Switzerland)	Last full	Saturday 1300–Sunday 1300
May				
M	ARI International DX	ARI (Italy)	First full	Saturday 2000–Sunday 2000
R	VOLTA RTTY	COMO/ARI (Italy)	Second full	Saturday 1200–Sunday 1200
M	CQ-M International DX	Krenkel CRC (Russia)	Second full	Saturday 1200–Sunday 1200
CW	CQ WPX	CQ Magazine	Last full	Saturday 0000–Sunday 2400
June				
CW	WW-South America	LABRE (Brazil)	First full	Saturday 0000–Sunday 1600
PH	Portugal Day	REP (Portugal)	Second Saturday	Saturday 0000–Saturday 2400
R	ANARTS Digital Contest	ANARTS (Australia)	Second full	Saturday 0000–Sunday 2400
CW	All Asia	JARL (Japan)	Third full	Saturday 0000–Sunday 2400
CW	IV Marconi Memorial	ARI (Italy)	Fourth full	Saturday 1400–Sunday 1400
July				
M	Venezuelan Independence	RCV	First full	Saturday 0000–Sunday 2400
M	IARU Championships	IARU/ARRL	Second full	Saturday 1200–Sunday 1200
PH	IOTA Contest	RSGB	Last full	Saturday 1200–Sunday 1200
R	Russian RTTY	Russia	Last full	Saturday 0000–Sunday 2400
August				
CW	WAE-DX	DARC (Germany)	Second full	Saturday 0000–Sunday 2400
R	SARTG WW RTTY	SARTG (Scandinavia)	Second full	Saturday 0000–Sunday 1600*
M	SEANET-DX	SEANET (Thailand)	Third full	Saturday 1200–Sunday 1200
CW	TOEC WW Grid	TOEC (Sweden)	Fourth full	Saturday 1200–Sunday 1200
M	YO-DX	FRR (Romania)	Last weekend	Saturday 1200–Sunday 1200
September				
PH	All Asia	JARL (Japan)	First full	Saturday 0000–Sunday 2400
PH	WAE-DX	DARC (Germany)	Second full	Saturday 0000–Sunday 2400
CW	Scandinavian Activity	Scandinavia	Third full	Saturday 1200–Sunday 1200
PH	Scandinavian Activity	Scandinavia	Fourth full	Saturday 1200–Sunday 1200
R	CQ/RJ WW RTTY	CQ Magazine/RTTY	Last full	Saturday 0000–Sunday 2400
October				
R	Tara PSK31 Rumble	TROY (USA)	First Saturday	Saturday 0000–Saturday 2400
PH	RSGB 21/28 MHz	RSGB	First Sunday	Sunday 0700–Sunday 1900
PH	Oceania Contest	NZART/WIA	First full	Saturday 0800–Sunday 0800
CW	Oceania Contest	NZART/WIA	Second full	Saturday 0800–Sunday 0800
M	Worked ALL Germany	DARC	Third full	Saturday 1500–Sunday 1500
CW	RSGB 21/28 MHz	RSGB	Third Sunday	Sunday 0700–Sunday 1900
PH	CQ World-Wide	CQ Magazine	Last full	Saturday 0000–Sunday 2400
November				
M	Ukrainian DX	Ukraine	First full	Saturday 1200–Sunday 1200
CW	OK/OM-DX	Czech Republic	Second full	Sunday 0000–Sunday 2400
R	WAE RTTY	DARC (Germany)	Second full	Sunday 0000–Sunday 2400
M	LZ-DX	Bulgaria	Third full	Saturday 1200–Sunday 1200
CW	CQ World-Wide	CQ Magazine	Last full	Saturday 0000–Sunday 2400

December				
CW	ARRL 160 m	ARRL	First full	Friday 2200–Sunday 1600
M	ARRL 10 m	ARRL	Second full	Saturday 0000–Sunday 2400
CW	Croatia	HRS	Third full	Saturday 1400–Sunday 1400

Key: M = Multimode; PH = Phone; CW = CW; R = RTTY, * = not continuous. All times are UTC.

Most international contest dates are co-ordinated on a worldwide basis by the IARU, but local events can be influenced by moveable dates such as Easter. It pays to check the rules and dates with the organisers – just to be sure.

AWARDS

ALAN CHAPMAN
11-53

Award Notes

When applying for an award, whether through NZART or through an overseas Society, courtesy demands that you observe the following: (1) PRINT your name, address and call-sign; (2) Clearly state what award (and endorsements) you are applying for; (3) Supply checking sheet with call-signs, dates of QSOs, mode, etc.; (4) Enclose required funds (currency/IRC/stamps) as requested.

For NZART Awards

- 1 The usually accepted rules apply to all NZART awards.
- 2 NZART stresses the HONOUR SYSTEM. Awards applicants need NOT hold QSL cards for claimed contacts. It is sufficient to merely certify that the QSO was legitimately made. This no QSL rule applies ONLY to NZART sponsored awards.
- 3 Endorsements for mode/time/location etc., made at applicant's request.

CJC

Captain James Cook Award

To perpetuate the memory of this world famous navigator and seaman—in three classes: Basic "Sailor Class" requires contacts with—G in Yorkshire; FO; ZL2; VK2; KH6 ... For "Officers Class"—"Sailor Class" contacts as well as ZL1, ZL3, ZL4, VK3, VK4, New Guinea, and any Antarctic station ... For "Command Class", as for "Officer Class" as well as any five of the following—VE2, VO, A35, YJ8, FK8, CE8, KL7.

Certified list (confirmations not required) with \$3.00, overseas US\$5.00, to NZART Awards Manager.

ENZART

A prestige award to honour NZART

1. In three parts—(A) Basic award requires 200 points with endorsements for 250, 300, 350 points. (B) Honour award requires 400 points with endorsements for each additional 50 points. (C) HONOUR PLAQUE for 500 points.

2. Points earned as follows by contacting an NZART member who is on the voting roll of the Branch concerned—Phone QSO, 1; CW QSO, 2; Club Station QSO, 2; YL op. QSO, 1; UHF, VHF QSO, 1; Mobile QSO, 1; AMSAT QSO,

1; Branch President QSO, 1.

3. It is essential to clearly determine that the operator contacted is a financial member of NZART and on the voting roll of the Branch concerned.

4. Contacts claimed with a Branch Station must be from a Clubroom or other permanent headquarters, or alternatively when the station is being operated in a contest, from an exhibition, or other activity of a similar kind. Contacts as a result of call-sign "swapping" at a member's QTH are not eligible.

5. Contacts with mobiles are eligible only when the mobile station is within 50 km of his Branch's Clubrooms or his own QTH. (Note rule 3 above.)

6. One station may be claimed in several categories—e.g. the Branch President can be claimed for both Phone and for CW as well as for Branch President—but EACH claimed must be for a separate contact, and the contacts must be not less than 24 hours apart.

7. Contacts must be "Phone to Phone" or "CW to CW".

8. "Club Net" contacts are not eligible until the net concludes, while contacts made in an organized "awards net" with MC etc., are not eligible.

9. Permanent changes of QTH by claimant are permitted and

- 4 New Zealand, US or Australian currency accepted instead of IRC but cheques NOT desirable. New Zealand stamps OK \$1, \$2 or \$3 preferred.
- 5 Post applications to NZART Awards Manager, PO BOX 1733, Christchurch Mail Centre, Christchurch 8140, New Zealand.

APPLICATION FORMS suitable for most awards are available from NZART Awards Manager (SASE Please) or on the web at www.nzart.org.nz/nzart/awards/awards.html.

COST OF AWARDS. NB—Cost given for awards are those for ZL applicants. Overseas applicants pay US\$5.00 for each NZART award EXCEPT WAP (US\$6.00) or one IRC per \$1.00.

For Branch Awards

Logs need not be verified unless stated.

All awards are open to shortwave listeners unless stated.

The honour system also applies to Branch awards.

likewise contacts made during genuine temporary operation.

10. ZL applicants must be members of NZART and all applicants must certify that each contact made fulfils award requirements. No QSL card need be held or submitted but applications must be made on special Check List—cost 10 cents plus SASE (large). Contacts must date November 1 1976 or later.

11. Each certificate costs \$3.00, overseas US\$5.00. Endorsements free but SASE required. Overseas US\$2.00 Honour Plaque NZ\$10.00, overseas US\$12.00.

12. Applications to NZART Awards Manager.

IARU Region III Operating Awards

To publicise Region III

1. The award is available to licensed amateurs and SWLs.

2. Contacts made after April 5 1982 are eligible.

3. QSL cards NOT required. Send certified list of eligible contacts from Log Book. Include country in log.

4. Cost is \$3.00, overseas US\$4.00.

5. Eligible countries are those in Region III whose amateur societies are members of IARU Region III Association. These are: Australia, Bangladesh, Brunei, China (PRC), Chinese

Taipei (Taiwan), Fiji, French Polynesia, Hong Kong, India, Indonesia, Japan, Korea, Macau, Malaysia, New Caledonia, New Zealand, Pakistan, Papua New Guinea, Philippines, Pitcairn Island (VR6), Singapore, Solomon Islands, Sri Lanka, Taiwan, Thailand, Tonga, Vanuatu, Vietnam.

PLUS: ONE Country credit from US Territories in the Pacific from Guam, Northern Marianas, American Samoa, Wake Island, Baker Howland Group, as presented by ARRL. Chagos Archipelago (VQ9), represented by RSGB. Current total of available "countries" is 35. Requirements for Award as from January 1 1986: Basic, seven areas; Silver Endorsement, 15 areas; Gold Endorsement, 20 areas. These to be reviewed as considered necessary by the custodian who would recommend appropriately to the Secretariat.

6. Awards may be endorsed for any mode or band.

7. Applications to NZART Awards Manager.

NZART Guiding Light Award

This award requires contacts with stations within 30 km of the more remote lighthouses and 10 km of the lighthouses near cities. Depending on the degree of difficulty each

lighthouse has been allocated one to five points. A total of 20 points are required for the basic "Mariners" Award and 50 points for the "Master Mariners" Award.

The lighthouses

<i>North Island</i>	Points	km
Cape Reinga	2	30
Cape Brett	1	30
Mokohinau	5	30
Cuvier Island	3	30
Tiritiri Matangi	1	10
Bean Rock	1	10
East Cape	2	30
Portland Island	2	30
Castlepoint	2	30
Cape Palliser	2	30
Baring Head	1	10
Pencarrow	1	10
Somes Island	1	10
Cape Egmont	1	30
<i>South Island</i>		
Cape Foulwind	1	30
Kahurangi Point	3	30
Farewell Spit	2	30
Boulder Bank	1	10
Stephens Island	5	30
The Brothers	2	30
Cape Campbell	1	30
Godley Head	1	10
Akaroa	1	30
Moeraki	1	30
Taiaroa Heads	1	10
Cape Saunders	1	10
Nugget Point	2	30
Waipapa Point	2	30
Dog Island	1	30
Centre Island	1	30
Puysegur Point	5	30

Full log sheets available from Awards Manager. Eligible contacts for this award must be dated November 1 1998 or later. Cost of both awards \$5.00, overseas US\$5.00 or five IRC. Applications to NZART Awards Manager.

DOCLands Award

Purpose of Award

To promote the use of Amateur Radio within DOC Controlled Areas. To advertise Amateur Radio from these locations to the public

To work stations operating from:

DOC Campsite	2	4	6
National Park	1	2	3
Forest Park	1	3	5
Lighthouse in DOC Control	1	2	3
Lake in DOC Area	1	2	3
Forest Hut	2	4	5
DOC Controlled Land on Islands		1	2

Date of Award

For contacts on or after January 1 2003

Rules

A station can only be used for one point at each location per trip. If a station is operating from Lake Rotoroa in the Nelson Lakes National Park,

from the Sabine Hut, that station must state whether it is a National Park, Forestry Hut or Lake Station. The Transmitting station must be located within the boundaries of:

- (1) Forest Park for Forest Park Credit.
- (2) National Park for National Park Credit.
- (3) within 1km of a lake, within DOC boundaries for Lake credit.
- (4) Within 10km of a lighthouse within DOC Boundaries for lighthouse credit, while the station itself must be within the boundaries of DOCLands.
- (5) Within viewing distance of a DOC Hut within DOC Boundaries for Forest Hut Credit.
- (6) On an Island controlled by DOC for Island credit.

A station can claim itself for working stations from a location.

QSLs not required
Lakes: Lakes as per our Lakeside award, but those on DOCLands only

The log sheet includes the rules and a list of lighthouses on DOCLands is available from the NZART Awards Manager and will be available in PDF format on the awards section of the NZART web site.

MIA

Minor Islands Award

For contacts with minor islands of the New Zealand coast—e.g. Kapiti Island, Portland Island, Great Barrier Island, Little Barrier Island, Waiheke Island, D'Urville Island, Rangitoto Island, Kawa Island, Motutapu Island, etc., from which FIVE contacts are required. Certified list with \$3.00, overseas US\$5.00, to NZART Awards Manager.

- 1. So-called "islands" which are connected to the mainland by a causeway and rocks are not eligible.
- 2. The station must be located

Basic	Intermediate	Advanced
2	4	6
1	2	3
1	3	5
1	2	3
1	2	3
2	4	5
	1	2

on the island or within the waters up to one nautical mile offshore, unless prevented by hazardous conditions.

3. Where public access is available, M/M stations must be on a mooring, ie, wharf, jetty, buoy, or anchor, or on arrival or departure from a mooring.

National Parks Award

- 1. For contacts made with stations operating WITHIN boundaries of a New Zealand National Park.
- 2. Basic award requires TWO contacts.
- 3. Usual NZART awards rules apply.
- 4. Endorsement: for each extra two contacts; for VHF Simplex; for VHF via repeater; for each amateur band; etc.
- 5. Duplicate Contacts (with SAME station) permitted ...
 - ★ on different amateur bands
 - ★ on different days
 - ★ from different Parks.
- 6. Eligible contacts to date from January 1, 1988.
- 7. Applications with \$3.00, overseas US\$5.00, to NZART Awards Manager.

NZ Armed Services Award

This award is presented by the Counties Awards Net to remember all amateur radio operators who have served their country.

This award is open to all amateurs and SWLs.

All contacts made after August 1, 1992 will be eligible for this award.

All Amateur bands and modes may be used.

Repeater contacts accepted. A station may only be contacted once.

Only one service number may be used.

ZL stations to work 100 contacts. VK stations to work 50 contacts. DX stations to work 30 contacts.

Information required: Log data, Service Number, Service in which served (ie, (A) Army, (AF) Air Force, (N) Navy.

Cost of Award: \$3.00, overseas US\$5.00.

Custodian: NZART Awards Manager.

Check sheet and rules also available from Awards Manager with SASE.

Provision for Award Update if required.

NZA—New Zealand Award

Available to all radio amateurs other than ZL.

Requirements:

- 35 contacts with ZL1.
- plus 35 contacts with ZL2.
- plus 20 contacts with ZL3.
- plus 10 contacts with ZL4
- plus one contact with ZL "territory"—either from NZ Antarctica, Chatham Islands, Kermadec Islands, or Campbell Island. This one contact may be substituted by 20 ordinary ZL contacts if desired.

This makes a minimum of 101 contacts which should be dated

from December 8, 1945. Cost \$3.00, overseas US\$5.00.

NZC—New Zealand Counties

Basic award required contacts with 20 different New Zealand Counties. Endorsements for 40, 60, 80, 100 are made with a special certificate for 112. Map showing counties is depicted elsewhere in this section, while checking sheet is available from NZART Awards Manager.

1. Initial certificate with any or all endorsements to 100 costs \$3.00, overseas US\$5.00.

2. Separate endorsements to 100, after issue of basic award, costs 20 cents for any group—or one IRC. Plus SASE.

3. Special Certificate for "NZC 112" costs \$3.00, overseas US\$5.00.

4. Checking sheets which MUST be used and which are returned to applicant for record purposes cost SASE, overseas US\$2.00.

5. NZC "224"—the "224" Shield was instituted to recognize very outstanding achievement—that of "double 112" with different stations contacted in the relevant counties for each NZC 112. Current cost is \$15.00, overseas US\$25.00 (surface mail only). Applicants for NZC 224 must first hold TWO NZC 112 Awards. Send BOTH log sheets when applying for 224.

6. The operator on a "County DXpedition" whether Mobile or Fixed Portable may claim that County for his own NZC credit.

7. The original "Counties List" will be maintained irrespective of deletions or additions. The criteria will be the actual area of operation which must be determined by the honour of the operator.

NZLA—New Zealand Lakeside Award

1. For Basic Award, contacts are required with stations operating on the shores of TEN (10) freshwater lakes in New Zealand. Endorsements for each additional ten lakes up to 40; Honour Award for 50 lakes with further endorsement for each additional ten.

2. Stations must be located within ONE kilometre of the water or in a town on the lake shore.

3. Full rules are with the Check Sheets which MUST be used when applying for NZLA—these cost a 40 cent stamp plus SASE.

4. Basic Award costs \$3.00, overseas US\$5.00. Any endorsements SASE, overseas US\$2.00.

5. Check Sheets from NZART Awards Manager to whom all applications must be directed.

6. Eligible contacts must date May 1, 1976 or later.

NOTE: Check Sheets are returned to applicant and make up a complete record of lakes credited towards award. Basic work for this award was done for NZART by Mike Groth ZLIAHF.

NZART Century Award

Basic requirements

This award is based on the Maidenhead Locator System. The award is open to all amateurs and SWLs. One hundred different sub-squares are required for the Century Award.

Addict certificate for 500 sub-squares.

Grand certificate for 1000 sub-squares.

Each contact must state the fill six digits of the Locator position, eg, RF66HK.

Eligible contacts must date January 1, 2000 or later.

Any operator on a "Century Award DXpedition" whether mobile or portable may claim the sub-square for their own credit.

Note

All contacts must be from the New Zealand mainland or surrounding islands.

Log sheets and maps, which give a broad outline of the Squares are available. The map supplied does not give an accurate position of the squares. Info maps that have latitude and longitude must be used for the position of the Sub-squares. For example, InfoMap series 242-1, 242-2, 242-3, 242-4, or similar.

A program, written by W4SM, that will return the square for a given latitude and longitude is available via e-mail or send a 3.5" floppy with return postage to the NZART Awards Manager.

Cost

Century and Addict and Grand Certificates NZ, A, US\$5.00 each.

NZR Regions Award

This award is similar to the NZ Counties Award but relates to the current Regional Districts.

Basic requirements

Initial certificates with four Regions and 18 Districts.

Stickers for 8/36 and 12/54 Regions and Districts.

Special award for all Regions and Districts.

Contacts must date January 1, 2000 or later.

Cost

Basic award NZ\$5.00. Endorsements SASE plus a 40 cent stamp.

Overseas US or A\$5.00 or five IRCs. Endorsements \$2.00 or two IRCs.

All Regions and Districts Award NZ\$5.00, US\$5.00 or A\$5.00.

Double Region Award \$15.00, overseas \$25.00 (surface only).

Boundaries

The boundaries are as per InfoMaps 242B-1 to 242B-4 (four maps) and will remain to give a basis of stability.

Applications for the award must be on the log sheets which are available from the NZART Awards Manager. Send SASE or via e-mail (PDF file).

The following is a list of Districts (bold italic type) and the regions.

North Island Regions

Northland

Far North
Whangarei
Kaipara

Auckland

Rodney
North Shore
Waitakere
Auckland
Manukau
Papakura
Franklin*

Waikato

Thames-Coromandel
Hauraki
Waikato
Matamata Piako
Hamilton
Waipa
Otorohanga
South Waikato
Waitomo*
Taupo*

Bay of Plenty

Western Bay of Plenty
Tauranga
Rotorua*
Kawerau
Whakatane
Opotiki

Gisborne

Gisborne

Hawkes Bay

Wairoa
Hastings
Napier
Central Hawkes Bay

Taranaki

New Plymouth
Stratford
South Taranaki

Wanganui-Manawatu

Ruaapehu
Wanganui
Rangitikei*
Manawatu
Palmerston North
Horowhenua
Taranua

Wellington

Masterton

Carterton
South Wairarapa
Kapiti Coast
Porirua
Upper Hutt
Lower Hutt
Wellington

South Island Regions

Nelson

Nelson

Marlborough

Marlborough

Tasman

Tasman

West Coast

Buller
Grey
Westland

Canterbury

Kaikoura
Hurunui
Selwyn
Waimakariri
Christchurch
Banks Peninsula
Ashburton
Mackenzie
Timaru
Waimate

Otago

Waitaki*
Queenstown-Lakes
Central Otago
Dunedin
Clutha

Southland

Gore
Southland
Invercargill

*Districts cross Regions boundaries.

Tiki Award

Work five different ZLs each on FIVE different bands dated post-war. Cost \$3.00, overseas US\$5.00.

ZL1 Award

Basic Award requires contacts with 125 different ZL1 stations dating post-war. Endorsements 175 and 250.

ZL2 Award

Basic Award requires contacts with 100 different ZL2 stations dating post-war. Endorsements for 150 and 200.

ZL3 Award

Basic Award requires contacts with 50 different ZL3 stations dating post-war. Endorsements for 75 and 100.

ZL4 Award

Basic Award requires contact with 25 different ZL4 stations dating post-war. Endorsements for 35 and 50.

Note: cost of ZL1/2/3/4 Certificates is \$3.00, overseas US\$5.00, each with any endorsements. Further endorsements will cost 40 cent stamp plus SASE, overseas US\$2.00,

UNLESS a new certificate is required instead of "sticker", in which case the cost is as above. On issue, certificates will be endorsed for band/mode as requested and for any yearly period of time (January through December). Such endorsements are of course available to applicants at any time after the initial award has been made. ZL or ZM combination is OK. Applications with list to NZART Awards Manager.

VHFCC—VHF Century Club

One hundred points required from QSOs with ZL stations on the following basis:

50 MHz band contacts count one point.

144 MHz band contacts count three points.

432 MHz band contacts count six points.

(Further bands may be added in the future).

The same station may be claimed once on any one band but may be claimed repeatedly on different bands.

Endorsement stickers available for 200, 300, 400, 500 points. Cost \$3.00, overseas US\$5.00.

WAD—A VHF Award

Contacts required on any VHF band (or mixture of VHF bands) with ZL1, ZL2, ZL3, ZL4—One contact per Call Area. Cost—\$3.00, overseas US\$5.00. Endorsements for Satellite QSOs.

WAP—"Worked All Pacific"

Contacts required with 30 different "Oceania Countries".

Eligible countries ... Any Oceania country, i.e. eligible as Oceania for WAC (see DXCC list). Cost \$3.00, overseas \$6.00. Please include country on log sheet.

Five Band WAP

Contact any 30 eligible Pacific Countries (as counting for Oceania for WAC), each on FIVE different bands making a total of 150.

Send list of log extracts (QSLs not required to be held) to Awards Manager ... with \$15.00, overseas US\$25.00 surface mail only.

AWARD: Wooden Shield surmounted with NZART badge and suitably inscribed.

WAZL—"Worked All New Zealand"

Contacts required for 45 different Branches of NZART—EXCEPT FOR OVERSEAS APPLICANTS (for whom only 35 are required). Special endorsement when WAZL completed

within 12 month period. NB: Mobiles operating outside their own Branch Area must use the Branch Number of the area in which they are operating (for WAZL credit). Cost \$3.00, overseas US\$5.00 to NZART Awards Manager.

NZART Branches for WAZL

01 Ashburton
02 Auckland
03 Western Suburbs
04 Cambridge
05 Christchurch
06 Taranaki
07 Not issued
08 Eastern Southland
09 Egmont (in recess)
10 Franklin
11 Gisborne
12 Hamilton
13 Hastings/Havelock North
14 Hawera
15 Central Hawkes Bay
(in recess)
16 Horowhenua
17 Huntly
18 Hutt Valley
19 Inglewood
20 Manawatu
21 Manukau
22 Marlborough
23 Marton and Districts
24 Motueka
25 Napier
26 Nelson
27 New Plymouth
28 Whangarei
29 North Shore
30 Otago

31 Pahiatua (in recess)
32 Rarotua Coastal
33 Rotorua
34 South Canterbury
35 South Otago
36 South Westland
(in recess)
37 Southland
38 Taumarunui (in recess)
39 Tauranga
40 Te Awamutu
41 Thames
42 Titahi Bay
43 Waihi and Districts
44 Matamata
45 Waimarino (in recess)
46 Wairarapa
47 Waitara
48 Wanganui
49 Westland
50 Wellington
51 Eastern Bay of Plenty
52 Northern Hawkes Bay
(in recess)
53 Te Puke
54 Patea
55 Waitomo
56 Christchurch West
57 Tokoroa
58 Helensville (in recess)
59 Mangakino (in recess)
60 Taupo
61 Central Otago
62 Reefton-Buller
63 Upper Hutt
64 North Otago
65 Papakura
66 Auckland VHF
67 Kawerau
68 North Canterbury
69 Kapiti

70 Feilding (in recess)
71 Rodney
72 Opoitiki
73 Northern Wairoa (in recess)
74 Wellington VHF
75 Queenstown (in recess)
76 Kaikoura
77 Te Aroha (in recess)
78 Far North Districts
79 Howick and Districts
(in recess)
80 Hibiscus Coast
81 Waikato
82 Southern Wairarapa
83 Raglan
84 Bay of Islands
85 Mercury Bay
86 Suburban
87 South Taranaki
88 Tauranga Emergency
Communications Group

Yearly Award

This award is an annual award starting on January 1 and ending on December 31 each year.

The rules are as follows:

1. A total of 80 contacts required.
2. The numbers of years licensed must be obtained from station worked.
3. The licensed years are totalled to 1000 or more years.
4. Log details must include the operator's call-sign, name, licensed years and date worked.
5. The award is open to all SWLs who must include in addi-

tion to the above, both operator names and call-signs.

6. Logs must include at least 20 ZL contacts.

7. Send \$3.00, overseas US\$5.00, to the NZART Awards Manager.

"5 x 5"—Five by Five

This premier award has been instituted to recognize the increasing interest in Five Band DX operation. The initial award requires that the same station be contacted on five bands repeated with five different DXCC countries. First endorsement after a further five has been contacted (total of 10) with the 20 endorsement requiring another ten and so on to 100. Certified list with full QSO data and fee of \$3.00, overseas US\$5.00, which includes all endorsements. Certificate is outstanding and is overprinted in embossed gold. Contacts must date from 1945.

ZLA Award

Contacts required with Auckland City, Wellington City, Christchurch City, Dunedin City, Antarctica ZL5, Campbell Island, Chatham Island, Kermadec Island. Applicants must send certified list to NZART Awards Manager with \$3.00, overseas US\$5.00. Specially produced certificate.

NZART BRANCH AWARDS

Aotearoa Postcode Award

This award has been presented to stimulate awareness and the use of postcodes in the New Zealand postal system—at least by the amateur fraternity. To some extent it is a sister award to the Australian Amateur Radio Postcode Club.

1. The award is open to all Amateurs and SWLs.

2. All contacts made on or after October 20, 1991, will be eligible for the award.

3. A certificate will be issued for basic qualification, and stickers for the various following upgrades.

4. Portable and mobile stations must give the postcode for the particular area they are in and can claim that postcode for the award.

5. Basic Award: Make contact with ZL stations and obtain their QTH and Postcode. Then use the suffix letters of the station claimed to complete the following phrase—AOTEAROA

LAND OF THE LONG WHITE CLOUD.

Each letter of a call-sign may only be used once unless that station is contacted in a different postcode area. Claim each postcode once only.

6. Upgrades: Stickers will be issued as follows: Postie—100 different postcodes; Mail Officer—150 different postcodes; Supervisor—200 different postcodes; Branch Manager—250 different postcodes. (There is provision for an extension for the enthusiast.)

7. All amateur modes and bands may be used. Repeater contacts accepted.

8. Cost: Basic certificate—
ZL stations \$3.00
VK stations US\$2.00
DX stations US\$3.00

Upgrades—
ZL stations SASE plus \$1.00 for first—SASE for other three.

VK Stations SASE plus \$1.00 stamp for each upgrade.

DX stations SAE plus US\$1.00

for each upgrade.

9. On application send a log with the following: date of contact, station contacted, postcode number, and area to Awards Manager, 48 Leslie Street, Waitara 4320.

As NZ Post revamped the system in July 2006, all old numbers will be accepted for contacts made up to August 31, 2006. From July 1, 2006, the new numbers are acceptable

Bay of Plenty Award—Series 2

Sponsored by the Tauranga Branch 39 of NZART for working stations in the Bay of Plenty region—ie., Opoitiki, Rotorua, Tauranga and Whakatane Counties and all cities and districts within this region.

ZLs need either 10 stations on any band or five stations on 50 MHz or higher.

The rest of the world need five stations on any band.

All stations to be in different Maidenhead Locator sub-

squares, since January 2006.

This award is available to Listeners on a "heard" basis.

Applications with \$4.00 (overseas US\$5.00) with check-list showing station, date and time, worked mode and band (QSLs not required) to Secretary Tauranga NZART, C/- Emergency Management Office, WBOP District Council, Private Bag 12 803, Tauranga Mail Centre, Tauranga 3143.

Christchurch Award Requirements

Christchurch amateurs (those within the normal coverage of the 705 repeater) 25 different stations; rest of ZL—15 stations; VK—10 stations; rest of world—five stations. Definition of a Christchurch station that may be worked for this award is any station that is operating from within the metropolitan area of Christchurch. Cost: ZL and VK NZ\$5.00; others US\$4.00 or equivalent. Applications to Christchurch Amateur Radio

Club Awards Manager, PO Box 1733, Christchurch Mail Centre, Christchurch 8140.

Christchurch Amateur Radio Club Branch 05 Brasspounders' Club Award

The aim of this award is to promote Morse technique in a friendly competitive way and to encourage conversational CW between fellow amateur radio enthusiasts.

A Certificate of Accomplishment will be issued by the Christchurch Branch Awards Manager when suitable evidence shows that the applicant has gained the appropriate points total.

For the "INITIAL AWARD" (25 points minimum) the following QSO types are acceptable.

1. CW QSO with Christchurch Amateur Radio Club Branch 05 Club member—one point.

2. CW QSO with Christchurch Amateur Radio Club Branch 05 "Brasspounders" Club member—two points

3. CW QSO with Christchurch Amateur Radio Club Branch 05 "Brasspounders" Club member via ZL3AC Club Station—four points

Bonus points may be added to each of the above according to the following criteria:

4. If the QSO was conducted throughout using a STRAIGHT key, claim two bonus points.

5. If the QSO was conducted throughout using an ELECTRONIC keyer or SEMI-AUTOMATIC key (bug type) claim one bonus point.

A QSO conducted with COMPUTER Morse will not be eligible for a bonus.

Type "3" QSOs if multiple, must be spaced at least 24 hours.

Award Par Excellente 60 points minimum

For "AWARD PAR EXCELLENTE", New Zealand "Home Stations" must include at least two type "1" QSOs, and there is no points limit on type "5" contacts. Where the same station is being claimed more than once, there must be at least 24 hours separation between the QSOs.

Overseas stations need only one type "1" QSO for their "Award Par Excellente" included with their claim, and may claim two points for each "ZL" QSO together with one extra bonus point if the "ZL" is a "Branch 05 member". At least 24 hours must separate QSOs where the same station is being claimed more than once.

Rules

Frequencies: All Amateur Band CW frequencies may be used.

Who: All Radio Amateurs.

Claims: Log extracts showing date, time on/time off, signal reports, other operator's call and QTH.

Check: Log extracts shall be countersigned by one other similarly licenced amateur operator.

Duration: Contacts claimed shall have been of at least one-quarter hour (15 minute) duration.

Signals: No claims will be accepted with reports of T7 or lower.

When: Only QSOs commenced after the inauguration are acceptable. Inauguration date is February 1, 1993. There is no closing date for claims unless the award termination is promulgated.

Points: Points claimed for "INITIAL AWARD" may not be used for the "AWARD PAR EXCELLENTE".

Costs: NZ\$12.00 Initial Award.

The Club Station ZL3AC will be on the air from 0800 UTC on an occasional basis. The operating frequencies are from 3.5 MHz to 3.575 MHz and on other HF bands depending on conditions.

Address all claims to Christchurch Amateur Radio Club Awards Manager, PO Box 1733, Christchurch Mail Centre, Christchurch 8140, New Zealand.

City of Dunedin Award

Otago Branch 30 promotes this award which features colour photographs of Albatrosses in the colony on the Otago Peninsula, the lighthouse at Taiaroa Heads, and a view of Dunedin City from Stuart Street.

Contacts since July 1, 1986 eligible and the required 10 points for ZL applications (five point DX) may be accumulated from the following allocations:

ZL4AA Branch station	3 points
Branch 30 President	2 points
Branch Life Member	2 points
Branch YL	2 points
Other Branch members	1 point

Award is open to SWLs.

NO repeater contacts and each station can be worked ONCE only. Any one band/mode or a combination of any bands/modes may be used.

Cost—NZ\$2.50 with application to Awards Manager, PO Box 5485, Moray Place, Dunedin 9058.

Fiordland National Park Award

Requirements: Contact four separate stations/operators in or within one kilometre of the Fiordland National Park, plus two contacts with Branch 08 members. Total—six contacts. Send log (no certifying required) with \$1.50 (stamps OK) to George McKenzie ZL4JP, Waiparu, No. 7 RD, Gore 9777.

Gisborne Award

Requirements: Contacts after January 1 1969, as follows: Gisborne amateurs—ten different stations. ZL—four stations. Rest of world—two stations.

Cost: \$5.00. Apply to Awards Manager, PO Box 1017, Gisborne 4040.

Kapiti Branch Award

1. Ten points required on any band—including VHF-UHF and repeater contacts. Different stations are required.

2. One point for any NZART member residing permanently in the district.

3. Two points for any branch member.

4. Three points for any committee member.

5. Four points for ZL2KB.

6. Net contacts are permitted, except the Branch net.

7. A listeners' award is available. Recording of sufficient two-way contacts worth 10 points.

8. Packet contacts attract two points each for Kapiti Branch member worked direct.

9. Double points for CW contacts, excluding Field Days.

10. No two contacts with the same station are permitted.

11. Price \$5.00 per certificate.

12. Enquiries to Award Manager, Kapiti Amateur Radio Club, C/- 5a Konin Grove, Raumati Beach 5032.

Kawerau Woodskills Festival Award

This is to run the first two weeks in September each year.

Contacts with Kawerau Branch 67 stations on any band, ie, HF, VHF, UHF.

Rules

Ten points required for ZL applicants (five points for DX stations) may be accumulated as follows:

1. ZL1KW worth five points, Branch President worth three points, any other Branch member one point.

2. Award is available to all Amateur operators or SWLs who accumulate 10 points.

3. The Award application containing a copy of log details or SWLs, name and address plus

\$5.00 fee to be received by The Awards Manager no later than November 1 each year.

Applications for this Award to the Awards Manager, Branch 67 NZART, C/- Bev Osborne ZL1OS, 34 Cobham Drive, Kawerau 3127, New Zealand.

Manawatu Award

For overseas stations working FIVE stations who are members of Manawatu Branch 20. Certified list and US\$3.00 or five IRCs to ZL2AFT, 429 Albert Street, Palmerston North 4410.

Manawatu Amateur Radio Society Windmill Award

The Manawatu Amateur Radio Society Windmill Award is open to all Amateurs and SWLs. To obtain the award stations require seven contacts with Branch 20 members of which one must be a compulsory contact with the Branch Station ZL2KO.

Stations may only be contacted once and must be financial members of Branch 20 at time of contact. All contacts to be made after September 1, 2000.

Overseas stations only need to contact five branch members and the club station is not a compulsory contact for them but optional.

The award is open to all amateurs and SWLers. The cost of the award is NZ\$6.00. Overseas US\$5.00 for overseas stations.

Please note that this is a separate award to the branch DX award although it is open to DXers.

Applications should be made to:

Award Custodian

Manawatu Amateur Radio Society, PO Box 1718, Palmerston North Central, Palmerston North 4440.

Papakura Radio Club "21" Award

For contacts with 20 members of Papakura Radio Club PLUS ZL1VK dating from January 1 1977. Band/Mode endorsements; certificates not numbered; certified list and \$2.00 to Secretary, Papakura Radio Club, PO Box 72-397, Papakura, Manukau 2244.

Railways Award

This award is sponsored by Southern Wairarapa Branch 82.

To work amateurs within one kilometre of Railway Stations which are the stopping places for the "Northerner", the "Southerner" and Picton-Christchurch Express.

(Auckland to Invercargill). Full rules on the Check sheet.

Application with \$3.00 or Check sheet, which contains full rules, is available, send SASE to; Railways Awards Custodian, C/- 38 Bell Street, Featherston 5710.

Reefton-Buller Award

Basic Award requires contact with any five Branch 62 members.

Merit Award requires, in addition to Basic, that ZLs contact one Branch 62 XYL or YL and the Club station ZL3BRC. Overseas stations contact any one of those mentioned above. Two categories HF and VHF.

NO QSLs required. Send certified list with \$5.00 to NZART Awards' Manager. List of members etc available from Branch 62 Secretary.

The Rhododendron Festival Award

The award is to be held by the combined clubs of Taranaki branches on or about November each year to coincide with "The Rhododendron Festival". The award certificate will be one of a series of coloured, hand-painted prints of named Rhododendron varieties by the well-known Taranaki artist, Janet Marshall. Other designs are provided if requested.

Rules

1. The Award will run for two weeks about the beginning of November each year. It is available to all Amateurs and Shortwave Listeners.

2. Contacts may be made on any band, any mode. Each station may be worked *once only* for each separate application for the Award.

3. *New Zealand stations* require 25 points from those listed below:

Compulsory contact with Special Event Station ZL6RFA—five points

Contact with Taranaki Branch stations—three points.

New Plymouth Branch 27—ZL2AB.

Hawera Branch 14—ZL2HAW.

Inglewood Branch—ZL2PT.

Rahotu Coastal Branch 32—ZL2ANN.

Waitara Branch 47—ZL2TO.

South Taranaki Branch 87—ZL2QF.

Each additional Taranaki station (ie, a station whose usual base station is in Taranaki)—one point

4. *Overseas stations* require only six points, calculated as above, and *do not have to make a compulsory contact*.

5. Copy of log, with a note of

your Award choice and fee, to arrive before January 31, to:

The Award Custodian

NZART Branch 27

C/- 45 Robe Street

New Plymouth 4310

New Zealand

6. Fees, including return postage:

For ZL award applications \$6.00 each.

For all overseas award applications, US\$5.00 or fair equivalent.

Main operating frequencies
Rhodo Net—3.660 ± MHz,
NZ Awards Net—3.677 MHz,
and any amateur frequencies.

Rotorua Amateur Radio Club Inc.

Maidenhead Locator Award Rules

1. The name of this award is the Maidenhead RF81 Rotorua Award—in short, The RF81 Award.

2. The Award is the responsibility of Branch 33, Rotorua, NZART.

3. The Award is for contacts into 98 Sub-squares and two contacts with the Club Station ZL1ROT.

4. A certificate will be issued upon completion of contacts into five Sub-squares plus one contact with the Club Station ZL1ROT.

5. Four Endorsements will be issued as the number of Sub-squares contacted reach 25, 50, 75, and 98. They will be known as the Geyser, Redwood, Lakeland, and Mountain Endorsements respectively. The final Endorsement requires a further contact with Club Station ZL1ROT, making a total of 100 contacts for the full award.

6. Contacts may be made on any Amateur band by any mode.

7. Operators working from a Sub-Square may claim that Sub-Square for their own Award.

8. Operators may be contacted before or after the Club Net (see Call Book) on 147.350 MHz. They will also operate on the Awards Net and other frequencies.

9. The masterplan of Sub-Squares will be held by the Award Manager. Copies, together with the Award Rules, will be circulated to the Award Net Controllers. A copy will also be supplied with the Certificate to assist operators to complete the Award.

10. The Sub-Squares identification are:

AL to GL, AM to GM, AN to GN, AO to GO, AP to GP, AQ to GQ, AR to GR, AS to GS, AT to GT, AU to GU, AV to GV, AW to GW, AX to GX, and AA to GA.

11. Claims for Awards are required to show: date, station contacted, band and Sub-Squares worked. SWLs are to quote both stations making contact and only one Sub-Square is to be claimed from each contact logged.

12. The Award commenced on March 25, 1988.

13. The cost of the Award is five only 40 cent stamps (note: only 40 cent stamps please).

14. Endorsements will be forwarded without further charge on receipt of SASE with claim.

15. Claims for this Award and subsequent Endorsements are to be addressed to: The Award Manager, Rotorua Amateur Radio Club Inc, 24 Iles Road, Lynmore, Rotorua 3010, New Zealand.

16. This issue of the Rules of the RF81 Award is effective from May 1 2000.

Southern Polar Plunge Award

This Award sponsored by the Otago Branch NZART Inc, coincides with the longest nights/shortest days of the year and is to highlight the mid-winter activities in the southern parts of New Zealand.

(1) The Award will run in the week of June 21 and contacts with Otago Branch operators on any band or mode are eligible *but* each station may be worked *once only*.

(2) Ten points required for ZL applications (five points for DX stations) may be accumulated from the following allocations:
ZL4AA—Otago Branch Station, three points.

Branch President, two points.

Any other Otago Branch member, one point.

(3) Award is available to any amateur operators for SWLs who accumulate the necessary points.

(4) The Award application containing a copy of log details and operator's or SWL's name and address plus \$5.00 fee to be received by—

The Awards Manager

Otago Branch NZART Inc

PO Box 5485

Moray Place, Dunedin 9058

No later than July 31 each year.

Te Puke Amateur Radio Club NZART Branch 53 Visiting Amateur Award Objects of the Award

To encourage more use of the radio spectrum.

To ensure foreign amateurs visiting ZL are likely to get a

two-way contact.

All classes of ZL licence holders ie, novices, technician and general can compete for the award.

Award criteria

Open to all licensed ZL amateurs who are members of NZART.

Basic Award: Ten QSOs with foreign/visiting amateurs.

Advanced Award: Ten QSOs with foreign/visiting amateurs from 10 different countries.

Supreme Award: Fifty QSOs with foreign/visiting amateurs from 50 different countries.

Award rules/conditions

All contacts must be two-way Voice/Phone within the geographical boundaries of ZL on any of the authorized bands in the amateur radio spectrum.

A "country" as defined by the ARRL DXCC Committee and cannot be a deleted one.

When applying for the award a log extract must be submitted showing: call-sign of station worked, date, frequency and country of origin ie, ZL1/K3ZO (USA).

Cost of Award

\$5.00.

Cost of upgrades

\$2.00.

Award Manager

ZL1IB

Te Puke Amateur Radio Club Inc

C/- PO Box 10 Te Puke 3153.

The Rosetown of New Zealand "Grand Award"

This Award, available in two levels, BASIC ADDICT, is workable world-wide by any Amateur Radio Operator or SWL.

Any mode, any amateur frequency, mixed band usage permitted, and repeater contacts are not barred. Net operation is also permissible.

The object is to contact Grandparent operators, and claim points according to the list given below.

All applicants must be licensed amateur radio operators and their station must be operated in accordance with the Radio Regulations, plus the terms and rules of their own administration. Good operating manners and techniques will be encouraged and only one QSO per call-sign is permitted over the two levels.

Points may be claimed as follows:

A QSO with a Grandparent earns 10 points
who is also a Great-Grandparent earns another 10 points
who is also a Great-Great-Grandparent earns another 20 points
and should there be a Great-

Great-Great-Grandparent another 100 points and each Grandchild, Great-Grandchild, etc., earns 1 point

(For example, two Grandchildren, one Great-Grandchild and two Great-Great-Grandchildren = 5 points plus 40 = 45 sub-total for that QSO.)

The sub-total so claimed, is to be doubled if the operator contacted is a member of the National Radio Society of the country worked: ie, NZART, WIA, ARRL, etc.

The BASIC AWARD of 1000 points (QSL size) \$5.00, Overseas US\$6.00.

The ADDICT AWARD of 10,000 points (304mm x 203mm) \$7.00, Overseas US\$6.00.

Basic points can be credited towards the Addict.

Each Award is a beautiful photograph of a rose, and being laminated makes an ideal wall hanging or table placemat. The Award dates from January 1, 1992.

For Log Sheet and Rules, an SASE (or IRC) to: Awards Manager, Te Awamutu ARC, NZART Branch 40, C/- 509/1 Mutu Street, Te Awamutu 3800, New Zealand.

(There is no copyright on photocopying the log or rules.) Applications for the Award to be forwarded with the appropriate remuneration to the above address. Awards by ordinary post.

The Tane Mahuta Award

By Branch 28 with VHF and HF Rules:

1. The HF Tane Mahuta Award for 20 contacts including at least one in each of the Counties of Rodney, Otamatea, Hobson, Hokianga, Mangonui, Whangaroa, Bay of Islands, and Whangarei with the rules of NZC Award applying.

2. The VHF Tane Mahuta Award for 20 contacts including at least one in each of the Locator Squares RF63, RF 64, RF65, RF74 and that part of RF73 north of 36° 30'; that is, with Sub-Squares ending in M to X. Contacts must be made from one square to another.

3. Portable and Mobile operation is permitted.

4. Multiple contacts are permitted provided the station contacted is located in a different County or Locator Square for each contact.

5. Repeater contacts are permitted if they are made through Northland repeaters at 7100, 7150, 7175, 7200 from outside the Northland area.

6. Contacts on or after

January 1, 1985 are eligible.

7. QSL cards are not required. Send certified list of relevant data. BUT for the VHF Award it is necessary to establish the full QTH Locator of the station worked.

8. Applications to Tane Mahuta Award, PO Box 10-078, Te Mai, Whangarei 0143, with cost as within New Zealand NZ\$5.00, Australia A\$5.00, others US\$5.00.

The Travellers Award

This award is sponsored by the Huntly Branch and is to contact stations that are away from their normal residence and camping in a tent, caravan or camper van/mobile home.

There are three camping modes for the award:

1. **Tent.** The portable station must be transmitting from a tent or in a vehicle nearby.

2. **Caravan.** The portable station must be transmitting from a caravan or in a vehicle nearby.

3. **Camper Van/Mobile Home.** The station must be transmitting from within the Camper Van/Mobile Home.

Note: The ham transmitting must be in the camping party.

There are three sections to the award:

Basic

Contact one tent, one caravan, one camper van/mobile home.

Intermediate

Contact Basic plus one tent, one caravan, one camper van/mobile home.

Advanced

Contact Intermediate plus one caravan, one camper van/mobile home.

All contacts after November 1, 2003. The award is open to all amateurs and listeners. Each station may be contacted once only. Contacts valid on HF, VHF, and UHF. No contacts to be made during other events (ie, Jock White Field Day, etc).

Fee for the award is \$5.00.

Send log details including date, time, station, frequency and location to: The Awards Manager, C/- J. Williams, Kainui Road, RDI, Taupiri 3791.

Upper Hutt Award

Available to Amateurs and SWLs with any required endorsement for contacts after July 2 1972 with stations operating in Upper Hutt Valley which count as ONE point except YL ops and Club station ZL2VH which count as TWO points. Upper Hutt applicants require a total of 15 points; rest of New Zealand require 10; overseas require five points. Certified list with FULL QSO data (no

QSL cards) with \$2.00 or one IRC for New Zealand stations, two IRCs for overseas stations. Post to Upper Hutt Award, C/- 35 Matai Road, Raumati South, Kapiti 5032.

Note

Mobile stations operating in the Upper Hutt Valley count as a contact. Upper Hutt Club members outside the Upper Hutt Valley also count as a contact.

The ZL1FND Far North Avocado Festival Award

This is an award that will run in conjunction with the Far North Avocado Festival held late February/early March each year. The award will run during the final week of the festival only.

The award is open to all radio amateurs, including overseas amateurs and SWLs, and can be gained through contacts using 2m, 70cm (including repeaters and the National System) and the HF bands.

Contact confirmation by way of the operator's log will be required and should be received by the contest organizer by the end of April of the current year, together with the fee: New Zealand based operators—\$5.00; Overseas—NZ\$6.00 equivalent (no IRCs please). Once the log has been confirmed the certificate will be posted to the claimant.

To gain the award the following points are required:

New Zealand operators: 20.

Overseas operators: 10.

Points can be claimed as follows:

One contact with the Branch ZL1FND operator (compulsory)—five points.

Contact with Branch President or Vice-President (will identify)—four points.

Contact with any Branch 78 committee member (will identify themselves)—three points.

Contact with any other Branch 78 member—two points.

Dates and times (also frequencies for HF) will be notified in the January/February *Break-In* each year.

Claims for the award to: The Awards Manager, PO Box 4, Awanui 0451, Far North, New Zealand.

Wairarapa Regional Award

This Award is sponsored by Branches 06, 46 and 82.

Requirements for Award: work eight counties, 12 towns, 15 postcodes, three lakes, four hospitals, eight rivers, two aerodromes, two lighthouses and 23 museums/historic places.

The Award can be worked in three stages: basic, upgrade and final.

A check sheet for working the Award is available on written request with SASE, from the Awards Manager, PO Box 860, Masterton 5840.

This Award may be worked on all bands and all modes starting from January 1, 1997. The "Basic" award costs \$5.00. "Upgrade" and "Final" stickers are free on receipt of check sheet and SASE.

Waitomo Award

Make 10 points with Branch 55 contacts as follows: VHF Simplex or CW, two points; VHF or UHF Repeater, 1 point; HF Phone, one point; HF CW, two points; VHF Satellite, two points; Club Station ZL1IZ, two points. Award is open to SWLs.

Log details and \$5.00 to I. M. Howitt ZL1IZ, 15 Frederick Street, Otorohanga 3900.

Wanganui Award

For contacts since January 1 1982 with permanent residents in the Wanganui area—one point; with Wanganui-based Mobile stations regardless of location—one point; with ZL2JA—two points. Overseas stations require three points; ZLs require five points. (Repeater contacts acceptable.)

QSO details with \$3.00 or five IRCs to Award Manager, 1 Caversham Road, Wanganui 4105.



Old Timers' Award Rules for the Award

Ten contacts with OTC (ZL) members, each contact worth one point, Phone or CW with an upgrade of 50 points.

The information required on each contact is: call-sign, date, time, name and OTC number. Contacts must be on or after launch date December 8, 1995.

Logs with remittance of \$5.00 or IRCs to OTC Award Manager, 25 Annandale Street, New Plymouth 4310. Note that points may *not* be gained on the OTC National Net on Sunday mornings.

WARO (WOMENS AMATEUR RADIO OPERATORS)

NZWARO Award

General

Contacts may be any mode, any band with NZWARO members who are financial at the time of the contact. No QSLs required. Send full log details certifying that the contacts have been made to Award Manager, Lynnette McDonald ZL1LL, 25 John Street, Pukekohe 2120, New Zealand, with sufficient postage for return of award.

HF Section

ZL and VK stations work 10 WARO members resident in New Zealand, DX stations work five. Endorsement seals available to ZL and VK stations for each additional 10 contacts, DX stations five. Contacts with DX members of WARO qualify for endorsements by endorsement application must contain at least three ZL contacts.

VHF/UHF Section

Stations work 10 WARO members on VHF or UHF (repeaters allowed). Endorsements for each additional five.

SWL Section

ZL and VK Listeners list 20 contacts heard with WARO members, DX list 10. Send full log details with call signs of both stations. Endorsements for each additional 10

endorsements for further 10s until 100 contacts are achieved.

2. Contacts may be any mode, any band, and each member claimed must be a financial member of NZWARO at the time of the contact and may be counted once only.

3. Contacts made on repeaters and in nets will qualify, and WARO contest contacts made after June 1, 1990 will be accepted.

4. No QSLs required. Send list of full log details to Award Manager, Lynnette McDonald ZL1LL, 25 John Street, Pukekohe 2120, New Zealand, with sufficient postage for return of award.

NZWARO Mountain Buttercup Award

1. For contacts with licensed NZWARO members, resident, visiting, mobile, etc, in the 60 towns named in the official list. A WARO member working mobile, portable, etc, may claim the relevant town for her own credit. The same WARO member may be contacted in any number of towns.

2. Basic award is available for list of 15 contacts with endorsement seals for each further 10 contacts up to the full 60 required. Applicants submitting a list of the full 60 valid contacts will receive a special award distinctive from the one gained for the lesser number of contacts.

3. Contacts may be any mode or any band, but each YL worked must be a financial member of NZWARO at the time of the contact and must be within a 25 km radius of the town

claimed.

4. Endorsement seals can be claimed for each further 10 contacts (after the basic 60) using the same list of towns. The same WARO members can be worked but each must be in a different town to where previously claimed. Please SAW with applications.

Award dates from January 1, 1989. An official list of towns required to be worked is listed below or is available from the Manager on receipt of an SAE. No QSLs required. Send applications containing full log details including the name of YL and town where worked, together with sufficient postage for return of award, to Award manager, Lynnette McDonald ZL1LL, 25 John Street, Pukekohe 2120, New Zealand.

North Island

1. Auckland
2. Dannevirke
3. Dargaville
4. Eketahuna
5. Featherston
6. Gisborne
7. Hamilton
8. Hawera
9. Helensville
10. Kaikohe
11. Kaitia
12. Masterton
13. Matamata
14. Morrinsville
15. Napier
16. New Plymouth
17. Opotiki
18. Orewa
19. Otaki

20. Paihia
21. Palmerston North
22. Papakura
23. Putaruru
24. Rotorua
25. Taihape
26. Taumarunui
27. Taupo
28. Tauranga
29. Thames
30. Te Awamutu
31. Te Kuiti
32. Turangi
33. Upper Hutt
34. Waihi
35. Wairoa
36. Wanganui
37. Wellington
38. Wellsford
39. Whakatane
40. Whangarei
- South Island
41. Alexandra
42. Ashburton
43. Balclutha
44. Blenheim
45. Christchurch
46. Cromwell
47. Dunedin
48. Gore
49. Greymouth
50. Hokitika
51. Invercargill
52. Kaikoura
53. Motueka
54. Nelson
55. Oamaru
56. Queenstown
57. Reefton
58. Timaru
59. Wanaka
60. Westport

OVERSEAS AWARDS

Note

1. There are hundreds of awards which are publicised in amateur radio periodicals throughout the world each month! Many are listed in RSGB publication Amateur Radio Awards (priced in UK £1.20) and several publications of DX Awards Guide by Chuck Ellis, priced about \$7.00 to \$8.00 each! CHC Directory of Awards has been revised and published by NZART member Scott Douglas KB7SB. This is a very comprehensive publication selling for about US\$12.50 (check with NZART Awards Manager about these).

2. Most overseas awards can be certified by NZART Awards Manager so the QSLs don't have to be sent overseas BUT, always send a FULL checking list with all QSO data, etc., on which can be written the certification and which can be sent as the application. (ARRL Awards cannot be certified).

3. ALWAYS SEND SUFFICIENT RETURN POSTAGE for QSLs, etc. Print name and address on each sheet of paper used.

A-1 Operator Club

The basic aim of the A-1 Operator Club is to promote good operating in the amateur bands. To become a member one must be nominated by at least two operators who already belong. Every amateur should strive to merit nomination by following standard operating practice, by observing the rules of good Phone operation, and making his CW as clean and accurate as possible. An attractive certificate is awarded to each amateur who qualifies for membership. Note: This award is sponsored by the ARRL. Several ZL amateurs are members. Strive to merit nomination—you never know who may be listening. Similar awards are: TOPS; FOC; HSC.

WAC—Worked All Continents

Issued by IARU only through affiliated Societies. Applications from financial members of NZART only, must be made through the Awards Manager, accompanied by a checking sheet, QSL cards from the six continents,

and return stamped envelope.

The following eight certificates are available: Basic (mixed mode), CW, Phone, SSTV, RTTY, FAX, Satellite and 5-band. In addition, the following endorsement stickers are available: QRP, 1.8 MHz, 3.5 MHz, 50 MHz, 144 MHz, any higher frequency band and 6-band. Contacts made on 10/18/24 MHz or via satellite are void for the 5-band certificate and 6-band sticker.

QRP is defined as five watts OUTPUT (10 W input) and QRP contacts must date on or after January 1 1985.

ZL applicants must be NZART members and enclose Break-In label with application.

There is NO charge.

RSGB Awards

For WBC, BCRTA, CDX, etc—SASE to NZART Awards Manager.

French Awards

For information on DDFM, DUF, DTA, DTC, DPE and other French Awards send an SASE to the NZART

Awards Manager and include a 40 cent stamp. (Applicants for These Awards can be certified by NZART Awards Manager.)

ARRL Awards

WAS—Worked All States

Obtain the rules and application forms for WAS and 5BWAS by sending a business-size SAE and a few IRC to the ARRL Headquarters, 225 Main Street, Newington, CT 06111, USA.

DXCC—DX Century Club

*See "Countries List" in this *Call Book*.

Many endorsements etc. available—full reprint of rules (4 A4 sheets) from Awards Manager for \$1.00.

FIXED LOCATION STATIONS

Updated as at 18.08.08

These listings are based on the MED data base.

Please contact NART FMTAG for blank copies of Form 10 for making additions and modifications.

Note on operational status. Branches have stated that the following stations are operational, or are expected to become operational, during the currency of this *Call Book*.

Note on repeater input/output offsets. Most repeaters receive LOW and transmit HIGH, except 7025 to 7375 on 2 metres and 434.xxx National System repeaters.

Note on update status. N in the right-hand column indicates that the Branch has not responded to the July 2008 information update request by 2008-08-18.

6m Repeaters

User transmits 1 MHz lower. Vertical polarisation.

Station name	Frequency	Med Site Name	Map Ref	Branch	Trustee 1	Trustee 2	Notes
Alexandra 3625	53.6250	Fruitlands	G42 142336	61	ZL4THT	ZL4GP	N
Auckland 3725	53.7250	Klondyke	R13 705258	66	ZL1TGC	ZL1BK	
Cass Peak 385	53.8500	Cass Peak	M36 797300	CA	ZL2BCF	ZL3TMB	

2m Repeaters

User transmits 600 kHz lower for repeater output frequencies of 145.325 to 147.000 MHz.

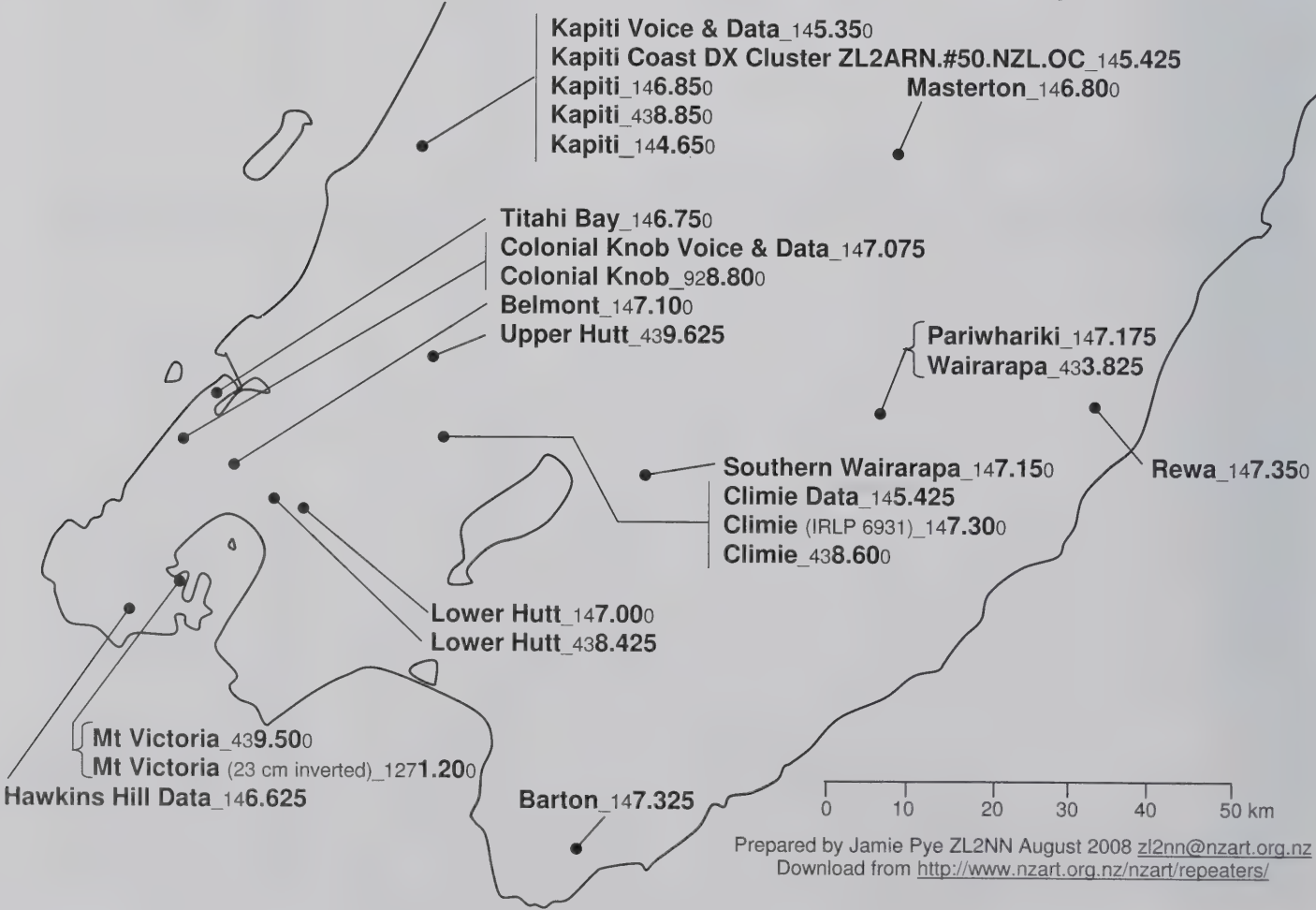
User transmits 600 kHz higher for repeater output frequencies of 147.025 to 147.375 MHz. Vertical polarisation.

Station name	Frequency	Med Site Name	Map Ref	Branch	Trustee 1	Trustee 2	Notes
Rotorua Linear 435	144.3500	Whakapoungakau Airstrip	U16 068393	33	ZL1PJ	ZL1BWC	
Kapiti Voice & Data 535	145.3500	Mt Field	R26 875374	69	ZL2GO	ZL2OH	
Opunake 540	145.4000	Kiri Road	P20 961014	87	ZL2ADU	ZL2QP	LINKED
Brynderwyn 560	145.6000	Pilbrow Hill	Q08 383694	28	ZL1DTE	ZL1TX	
Ward 560	145.6000	Weld Cone	P29 072282	22	ZL2BK	ZL2BJV	LINKED
Canterbury 5625	145.6250	Cass Peak	M36 797300	CA	ZL2BCF	ZL3TMB	
Tararua Voice & Data 5625	145.6250	Mt Butters	T25 672674	06	ZL2KG	ZL2KA	LINKED
Raglan 5675	145.6750	Plateau Road	R15 826651	81	ZL1TAT	ZL1THG	
Manawatu 5725	145.7250	Pahiatua Track	T24 416857	20	ZL2AUB	ZL2FX	N
Auckland 5775	145.7750	Musick Point	R11 799820	86	ZL1BFB	ZL1TRH	N
Auckland 6625	146.6250	Klondyke	R13 705258	66	ZL1BK	ZL1TGC	
Timaru 6625	146.6250	Mt Horrible	J39 559434	34	ZL3OZ	ZL3GL	N
Dunedin 665	146.6500	Highcliff	I44 231779	30	ZL4JH	ZL4GR	
Whangarei 665	146.6500	Parakiore	Q06 267150	28	ZL1BSW	ZL1TX	
Wharite 665	146.6500	Wharite	T23 529017	06	ZL2KG	ZL2KA	LINKED
Hawkes Bay 670	146.7000	Kahuranaki	V22 416494	13	ZL2DW	ZL2AJ	
Motueka 670	146.7000	Mt Campbell	N27 976092	24	ZL2BCG	ZL2ASF	
Auckland 670	146.7000	Ruaotuwheua	Q11 487742	66	ZL1TGC	ZL1KB	
Oamaru 670	146.7000	Station Peak	I40 172034	64	ZL4SN	ZL4DB	
Westport 675	146.7500	Cape Foulwind	K29 823386	62	ZL3VC	ZL3SR	N
Balclutha 675	146.7500	Kuriwao	G46 301348	35	ZL4TL	ZL4AS	
Bay Of Islands 675	146.7500	Mangingangina	P05 843654	84	ZL1NC	ZL1GSN	
Taupo 675	146.7500	Maroanui	U17 735940	60	ZL1BVO	ZL1DT	N
Mount Grey 675	146.7500	Mt Grey	M34 732872		ZL4FZ		
Titahi Bay 675	146.7500	Onepoto Reservoir	R27 653093	42	ZL2TKY	ZL2AZ	
Akatere 675	146.7750	Akatere	P04 715881	78	ZL1AUI	ZL1BQK	LINKED
Taihape 6775	146.7750	Mataroa	T21 444641	23	ZL2TRY	ZL2JOE	N
Invercargill 680	146.8000	Bald Hill	D46 109364	37	ZL4OX	ZL4CSS	
Tauranga 680	146.8000	Cambridge Road	U14 854837	39	ZL1TAJ	ZL1BVA	
Poverty Bay 680	146.8000	Kaiti Hill	Y18 477683	11	ZL2RC	ZL2HC	
Murchison 680	146.8000	Mt Murchison	M29 683418	26	ZL2BCA	ZL2RP	
Tekapo 680	146.8000	Mt Rollesby	I38 192691	34	ZL3OZ	ZL3GL	N
Masterton 680	146.8000	Rangitumau	T26 407366	46	ZL4JS	ZL2BA	
Arowhana 685	146.8500	Arowhana	Y16 362316	11	ZL2RC	ZL2HC	
Kapiti 685	146.8500	Mt Field	R26 875374	69	ZL2GO	ZL2OH	
Queenstown 685	146.8500	Remarkables	F41 794632	75	ZL4JW	LINKED	
Kaikoura 690	146.9000	Kaikoura	O31 673650	22	ZL3PZ	ZL3DR	N
Dunedin 690	146.9000	Mt Cargill	I44 199855	30	ZL4JH	ZL4GR	
Auckland 690	146.9000	Mt Puketutu	R12 899433	66	ZL1ABS	ZL1UET	C
Wanganui 690	146.9000	Wanganui	R22 855501	48	ZL2KR	ZL2THO	
Gisborne 690	146.9000	Whakapunake	X18 091532	11	ZL2RC	ZL2HC	
Gore 695	146.9500	McLeods Hill	F45 898550	08	ZL4AO	ZL4GL	
Waitaki 695	146.9500	Mt Studholme	J40 452147	34	ZL3OZ	ZL3GL	N
Waikato 695	146.9500	Mt Te Aroha	T13 525038	81	ZL1TAT	ZL1THG	N
Greymouth 695	146.9500	Sewell Peak	K31 736652	49	ZL3TY	ZL3ADH	N
Blenheim 695	146.9500	The Ned	P28 867510	22	ZL2BK	ZL2BJV	N LINKED
North Canterbury 6975	146.9750	Mt Noble	M33 602152	68	ZL3AI	ZL4WX	LINKED
Tairua 6975	146.9750	Tairua	T11 608661	85	ZL1AAF	ZL1CWN	N
Alexandra 700	147.0000	Fruitlands	G42 142336	61	ZL4THT	ZL4GP	N
Lower Hutt 700	147.0000	Mt Fitzherbert	R27 744968	18	ZL2TVM	ZL2TWS	
Edgecumbe 700	147.0000	Putauaki	V16 376374	67	ZL1OW	ZL1CAY	

Station Name	Frequency	Med Site Name	Map Ref	Branch	Trustee 1	Trustee 2	Note
Nelson 7025	147.0250	Princes Drive	O27 316919	26	ZL2BCA	ZL2RP	
Christchurch 705	147.0500	Marleys Hill	M36 804330	05	ZL3VP	ZL3RX	
Egmont 705	147.0500	Mt Egmont	P20 053104	87	ZL2AFE	ZL2WJM	LINKED
Colonial Knob Voice & Data 7075	147.0750	Colonial Knob	R27 613043	74	ZL3TC	ZL4JY	
Far North 710	147.1000	Maungataureia	O04 540703	78	ZL1BG	ZL1FC	
Belmont 710	147.1000	Mt Belmont	R27 669016	74	ZL3TC	ZL2TVM	
Manawatu 7125	147.1250	Pahiatua Track	T24 416857	20	ZL2AUB	ZL2FX	N
Westport 715	147.1500	Mt Frederick	L29 140440	62	ZL3VC	ZL3SR	N
Taumarunui 715	147.1500	Mt Hikurangi (Hn)	S18 099654	38	ZL1UTH	ZL1TIP	
Southern Wairarapa 715	147.1500	The Knoll	S27 126004	82	ZL2BLM	ZL2SJ	
Pariwhariki 7175	147.1750	Pariwhariki Trig	T27 389077	46	ZL4JS	ZL2BA	
Te Puke 7175	147.1750	Shaw Road	U15 972630	53	ZL1TAJ	ZL1RAB	N
New Plymouth 720	147.2000	Power Station	P19 990382	27	ZL2BR	ZL2BZH	
Nelson 720	147.2000	Saddle Hill	O27 462923	26	ZL2BCA	ZL2RP	
Waipuna Road 7225	147.2250	Waipuna Road	R16 846159	55	ZL1BZ	ZL1HJ	
Picton 7225	147.2250	Mt Freeth	P27 924903	22	ZL2BK	ZL2BJV	N LINKED
Doubtless Bay 7225	147.2250	Rangiawhia Range	O03 466037	78	ZL1AUI	ZL1BQK	
Canterbury 725	147.2500	Herbert Peak	M36 892243	05	ZL3VP	ZL3RX	
Whangarei 725	147.2500	Horokaka	Q07 132917	28	ZL1BSW	ZL1TX	C
Napier 725	147.2500	Taraponui	V19 333234	25	ZL2DW	ZL2TC	
Kakaramea 7275	147.2750	Kakaramea	T19 437441	38	ZL1UTH	ZL1TIP	
Climie 730	147.3000	Mt Climie	S27 901048	63	ZL2TNG	ZL2HM	
Rodney 730	147.3000	Schollum Rd	R09 595233	71	ZL2BCB	ZL2MR	
Whakatane 730	147.3000	Whakatane	W15 629502	51	ZL1BCW	ZL1NI	N
Barton 7325	147.3250	Mt Barton	S28 052586	46	ZL4JS	ZL2BA	
Ponga 7325	147.3250	Ponga Hill	R12 886529	86	ZL1BFB	ZL1TRH	N
Rotorua 735	147.3500	Moerangi	U16 004306	33	ZL1PJ	ZL1BWC	
Rewa 735	147.3500	Mt Rewa	T27 628081	46	ZL4JS	ZL2BA	
Waitomo 7375	147.3750	Rangitoto	S16 212126	55	ZL1BZ	ZL1HJ	
Golden Bay 7375	147.3750	Takaka Hill	N26 983203	24	ZL2BCG	ZL2ASF	LINKED

Wellington & Wairarapa Amateur Radio UHF & VHF Repeaters 2008

NOTE The **naming system** is explained on the map **New Zealand Amateur Radio ATV Repeaters 2008**
Repeater **Offsets (splits)** are explained on the map **New Zealand Amateur Radio National System 2008**



North Island Amateur Radio 6 m & 2 m (VHF) Repeaters 2008

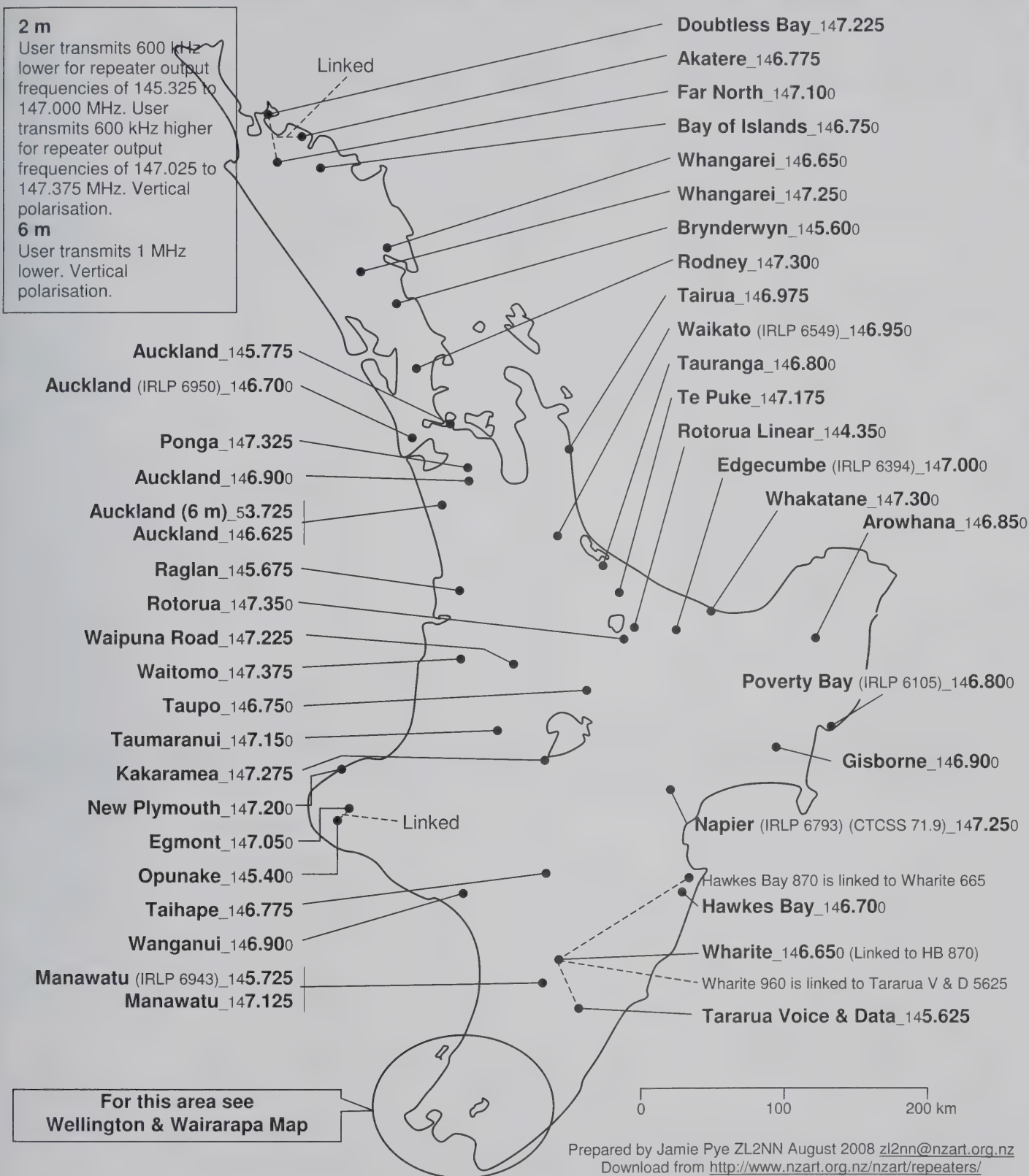
NOTE The **naming system** is explained on the map **New Zealand Amateur Radio ATV Repeaters 2008**
 Repeater **Offsets (splits)** are explained on the map **New Zealand Amateur Radio National System 2008**

2 m

User transmits 600 kHz lower for repeater output frequencies of 145.325 to 147.000 MHz. User transmits 600 kHz higher for repeater output frequencies of 147.025 to 147.375 MHz. Vertical polarisation.

6 m

User transmits 1 MHz lower. Vertical polarisation.

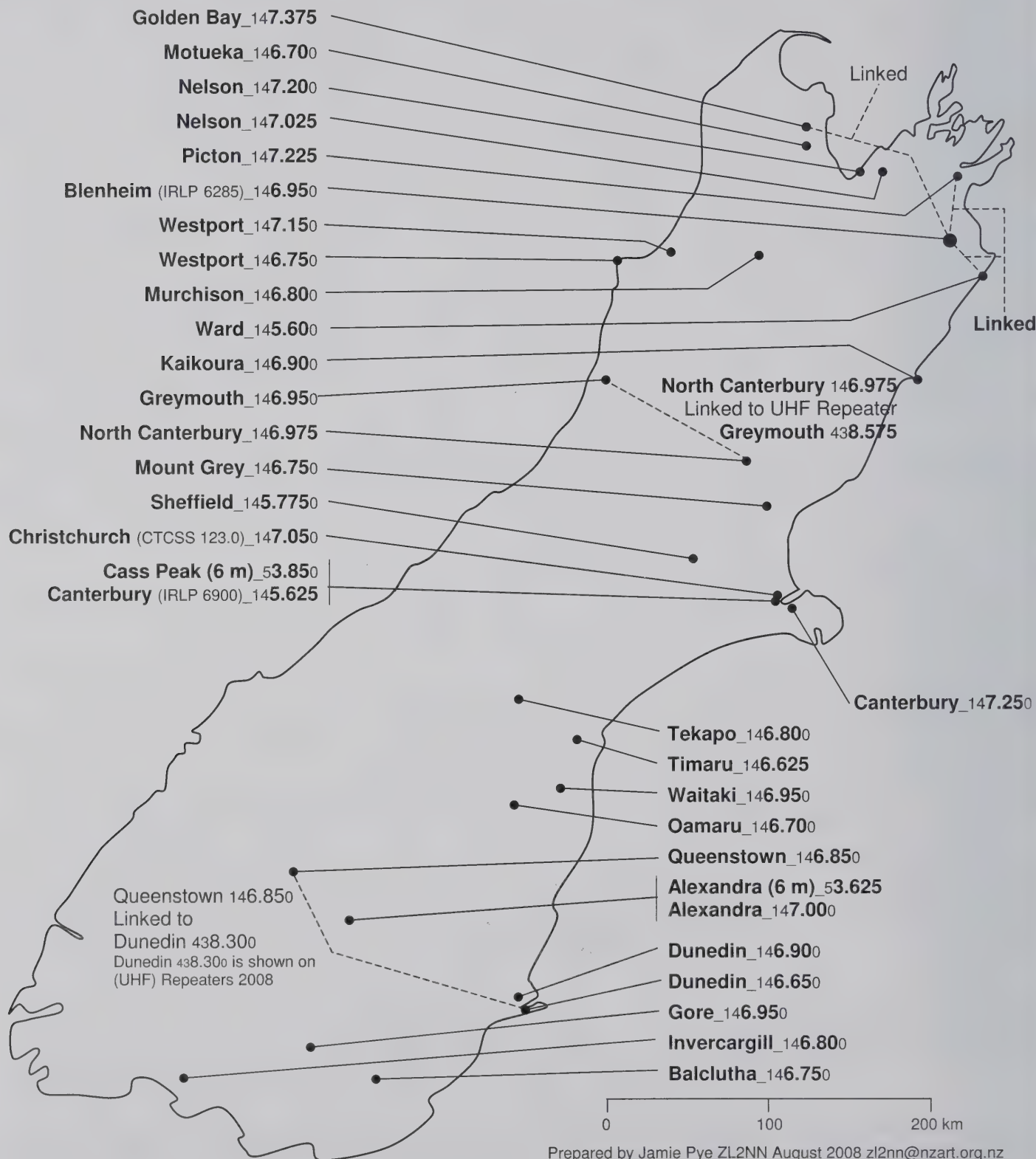


IRLP in the North Island is on: **Auckland**-146.700, **Waikato** -146.950, **Kawerau (Edgecumbe)** -147.000, **Gisborne (Poverty Bay)** -146.800, **Fielding (Manawatu)**-145.725, **Hastings (Napier)** +147.250, **Upper Hutt (Climie)** +147.300 (See W&W map for Climie 730). Not shown on these maps are Masterton 146.725, Hamilton 145.450 and New Plymouth Taranaki 145.000.. Information from <http://www.irlp.net/>

South Island Amateur Radio 6 m & 2 m (VHF) Repeaters 2008

NOTE The **naming system** is explained on the map for **New Zealand Amateur Radio ATV Repeaters 2008**
 Repeater **Offsets (splits)** are explained on the map for **New Zealand Amateur Radio National System 2008**
IRLP in the **South Island** is on: **Blenheim 695 IRLP 6285** and **Cass Peak 5625 IRLP 6900**
 ZL4DM Dunedin 147.425 IRLP 6184 is not shown on these maps. For further details see <http://www.irlp.net/>

2 m User transmits 600 kHz lower for repeater output frequencies of 145.325 to 147.000 MHz. User transmits 600 kHz higher for repeater output frequencies of 147.025 to 147.375 MHz. Vertical polarisation. **6 m** User transmits 1 MHz lower. Vertical polarisation.



Prepared by Jamie Pye ZL2NN August 2008 zl2nn@nzart.org.nz
 Download from <http://www.nzart.org.nz/nzart/repeaters/>

70cm REPEATERS

70 cm REPEATERS

User transmits 5 MHz lower for 438.xxx and 439.xxx. User transmits 5 MHz higher for 433.xxx and 434.xxx. Vertical polarisation.

National System repeaters are listed on another page.

Name	Frequency	Med Site Name	Map Ref	Branch	Trustee 1	Trustee 2	Note
Wairarapa 3825	438.8250	Pariwhariki Trig	T27 389077	46	ZL4JS	ZL2BA	
Mosgiel 820	438.2000	Saddle Hill	I44 055746	30	ZL4JH	ZL4GR	SIMPLEX
Ponga 825	438.2500	Ponga Hill	R12 886529	86	ZL1BFB	ZL1TRH	N
Dunedin 830	438.3000	Highcliff	I44 232779	30	ZL4JH	ZL4GR	SIMPLEX LINKED
Christchurch 840	438.4000	Marleys Hill	M36 805328	CA	ZL3MJS	ZL3TMB	
Waikato 840	438.4000	Te Aroha	T13 525039	81	ZL1TAT	ZL1THG	
Lower Hutt 8425	438.4250	Birch Street	R27 711976	18	ZL2TVM	ZL2TWS	
Taraponui 8425	438.4250	Taraponui	V19 333234	25	ZL2DW	ZL2TC	
Auckland 845	438.4500	Klondyke	R13 705258	66	ZL1BK	ZL1TGC	
Blenheim 845	438.4500	Tuamarina	P28 884780	22	ZL2BK	ZL2BJV	N
New Plymouth 8475	438.4750	Carrington Rd	P19 995240	27	ZL2BR	ZL2BZH	
Auckland 850	438.5000	Airedale St	R11 677815	66	ZL1ABS	ZL1UET	
Cass Peak 850	438.5000	Cass Peak	M36 797300	56	ZL3ACS	ZL3VI	
Manawatu 8525	438.5250	Pahiatua Track	T24 416857	20	ZL2AUB	ZL2FX	N
Te Puke 855	438.5500	Shaw Road	U15 972630	53	ZL1TAJ	ZL1RAB	N
Manurewa 8575	438.5750	Manurewa	R11 805664	86	ZL1BFB	ZL1TRH	N
Greymouth 8575	438.5750	Sewell Peak	K31 736652	49	ZL3TY	ZL3ADH	N LINKED
Hunua 860	438.6000	Gillespie Road	S12 909538		ZL1BNQ	ZL1AVR	N
Climie 860	438.6000	Mt Climie	S27 901048	63	ZL2TNG	ZL2HM	
Oamaru 865	438.6500	Cape Wanbrow	J41 504639	64	ZL4SN	ZL4DB	
Taihape 865	438.6500	Cleavers Hill	T21 455828	23	ZL2TRY	ZL2JOE	N
Invercargill 870	438.7000	Invercargill	E46 532122	37	ZL4OX	ZL4CSS	
Whangarei 870	438.7000	Parahaki	Q07 318089	28	ZL1BSW	ZL1TX	
Waitomo 870	438.7000	Rangitoto	S16 212126	55	ZL1BZ	ZL1HJ	
Hawkes Bay 870	438.7000	Te Mata	V21 448603	13	ZL2DW	ZL2AJ	LINKED
Egmont 880	438.8000	Mt Egmont	P20 053104	87	ZL2AFE	ZL2WJM	
Kapiti 885	438.8500	Mt Field	R26 875374	69	ZL2GO	ZL2OH	
Timaru 885	438.8500	Mt Horrible	J39 559434	34	ZL3OZ	ZL3GL	N
Tauranga 885	438.8500	Papamoa	U14 996799	39	ZL1TAJ	ZL1BVA	
Nelson 890	438.9000	Fringed Hill	O27 366885	26	ZL2BCA	ZL2RP	
Dunedin 915	439.1500	Mt Cargill	I44 199855	30	ZL4JH	ZL4GR	
Hawkes Bay 9175	439.1750	Clifton Trig	W21 539658	13	ZL2DW	ZL2AJ	
Mt Victoria 950	439.5000	Mt Victoria	R27 604886	74	ZL3TC	ZL4JY	
Gisborne 950	439.5000	Te Kapua	Y17 340903	11	ZL2CC	ZL2RC	
Wharite Voice & Data 960	439.6000	Wharite 2xs	T23 531016	06	ZL2KG	ZL2KA	LINKED
Upper Hutt 9625	439.6250	Akatarawa	R26 890135	63	ZL2TNG	ZL2HM	
Hawkes Bay Voice & Data 9675	439.6750	Mt Threave	V22 341547	25	ZL2DW	ZL2TC	

OTHER UHF REPEATERS

User transmits 7.6 MHz lower on 32 cm band. Vertical polarisation.

User transmits 20 MHz lower on 23 cm band (except Mt. Victoria). Vertical polarisation.

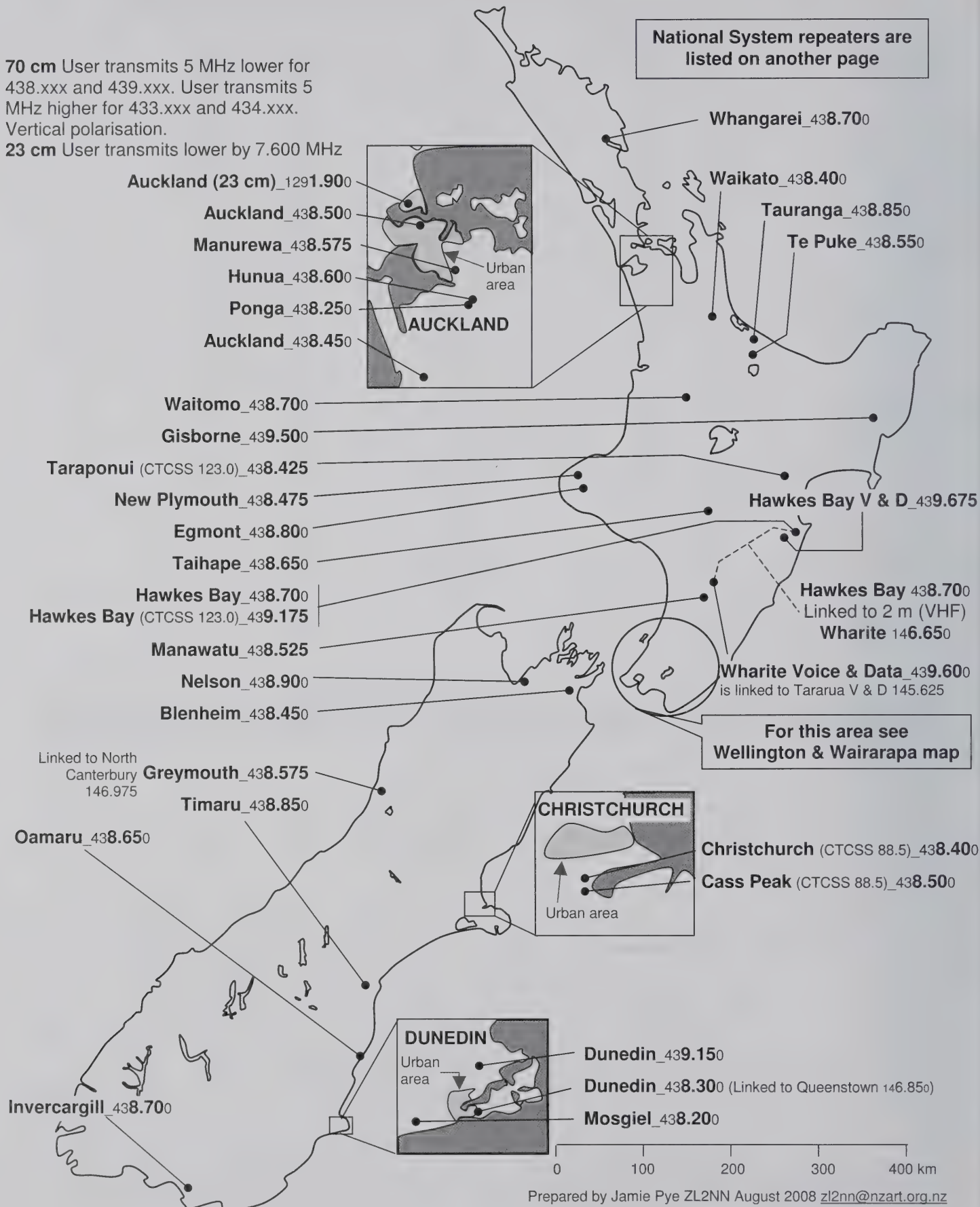
Name	Frequency	Med Site Name	Map Ref	Branch	Trustee 1	Trustee 2
Colonial Knob 880	928.8000	Colonial Knob	R27 613043	74	ZL3TC	ZL4JY
Mt Victoria 120	1271.2000	Mt Victoria	R27 604886	74	ZL3TC	ZL4JY
Auckland 190	1291.9000	Glenfield	R11 642880	66	ZL1TGC	ZL1ABS

New Zealand Amateur Radio 70 & 23 cm (UHF) Repeaters 2008

NOTE The naming system is explained on the map **New Zealand Amateur Radio ATV Repeaters 2008**
 Repeater **Offsets (splits)** are explained on the map **New Zealand Amateur Radio National System 2008**

70 cm User transmits 5 MHz lower for 438.xxx and 439.xxx. User transmits 5 MHz higher for 433.xxx and 434.xxx.
 Vertical polarisation.

23 cm User transmits lower by 7.600 MHz



APRS, BULLETIN BOARDS & DIGIPEATERS

Simplex. Vertical polarisation.

Name	Frequency	Med Site Name	Map Ref	Branch	Trustee 1	Trustee 2	Note
Christchurch	144.575	Marleys Hill	M36 801332	05	ZL3VP	ZL3RX	
Timaru	144.575	Mt Horrible	J39 559434		ZL3OZ	ZL3GL	N
Western Suburbs	144.575	Whau Bridge	R11 612753	03	ZL2ALW	ZL1VRR	
Whitford	144.575	Whitford	R11 898705		ZL1QF	ZL1WTT	
Hawkes Bay	144.575	Taraponui	V19 333234		ZL2AJ	ZL2DW	
North Shore	144.600	Cd Hq	R10 659934		ZL1TGC	ZL1BHQ	
Mt Maunganui	144.625	Totara Street	U14 912833		ZL3GR	ZL1MOF	N
Tauranga	144.625	Cambridge Road	U14 854837		ZL1KRH		
Dunedin	144.650	Macandrew Road	I44 157759		ZL4JH	ZL4GR	
Nelson	144.650	Fringed Hill	O27 366886		ZL2BCA	ZL2RP	
Dunedin	144.650	Highcliff	I44 231779		ZL4JH	ZL4GR	
Marlborough	144.650	Jamies Knob	P28 026586		ZL2BK	ZL2BJV	N
Kaikoura	144.650	Kaikoura	O31 676646		ZL2BK	ZL2BJV	N
Gore	144.650	Millane Road	F45 014479	08	ZL4AO	ZL4GL	
Kapiti	144.650	Mt Field	R26 875374		ZL2GO	ZL2OH	
Murchison	144.650	Mt Murchison	M29 683418		ZL3TY	ZL3ADH	N
Timaru	144.650	Mt Studholme	J40 452147		ZL3OZ	ZL3GL	N
Greymouth	144.650	Paparoa	K31 736655		ZL3TY	ZL3ADH	N
Waitomo	144.650	Rangitoto	S16 212126		ZL1GWP	ZL1AMW	
Queenstown	144.650	Remarkables	F41 794632		ZL4JW		N
Hamilton	144.650	Seddon Road	S14 102773		ZL1PK	ZL1GWP	
Nelson	144.650	Takaka Hill	N26 983206		ZL2BCA	ZL2RP	N
Te Kapua	144.650	Te Kapua	Y17 340903		ZL2CC	ZL2RC	
Gisborne	144.650	Whakapunake	X18 091532		ZL2RC	ZL2HC	
Hamilton	147.500	Seddon Road	S14 102773		ZL1PK	ZL1GWP	
Whitford APRS	432.575	Whitford	R11 898705		ZL1QF	ZL1WTT	
North Shore	432.650	Cd Hq	R10 659934		ZL1TGC	ZL1BHQ	
North Shore	438.300	Cd Hq	R10 659934		ZL1TGC	ZL1BHQ	

DATA (AND VOICE) REPEATERS

Duplex with normal input/output split. Vertical polarisation

Name	Frequency	Med Site Name	Map Ref	Branch	Trustee 1	Trustee 2	Note
Kapiti Voice & Data 535	145.3500	Mt Field	R26 875374	69	ZL2GO	ZL2OH	
Kaimai Data 540	145.4000	Takaurunga	T15 684649	81	ZL1GWP	ZL3GR	
Climie Data 5425	145.4250	Mt Climie	S27 901048	63	ZL2TNG	ZL2HM	
Whangarei Date 5425	145.4250	Parahaki	Q07 318089	28	ZL1DTE	ZL1TX	
Auckland 5625	145.6250	Klondyke	R13 705258	66	ZL1BK	ZL1TGC	
Tararua Voice & Data 5625	145.6250	Mt Butters	T25 672674	06	ZL2KG	ZL2KA	LINKED
Hawkins Hill Data 6625	146.6250	Hawkins Hill	R27 550854	74	ZL3TC	ZL2AOC	
Colonial Knob Voice & Data 7075	147.0750	Colonial Knob	R27 613043	74	ZL3TC	ZL4JY	
Wharite Voice & Data 960	439.6000	Wharite	T23 531016	06	ZL2KG	ZL2KA	LINKED
Hawkes Bay Voice & Data 9675	439.6750	Mt Threave	V22 341547	25	ZL2DW	ZL2TC	

AMATEUR TELEVISION REPEATERS

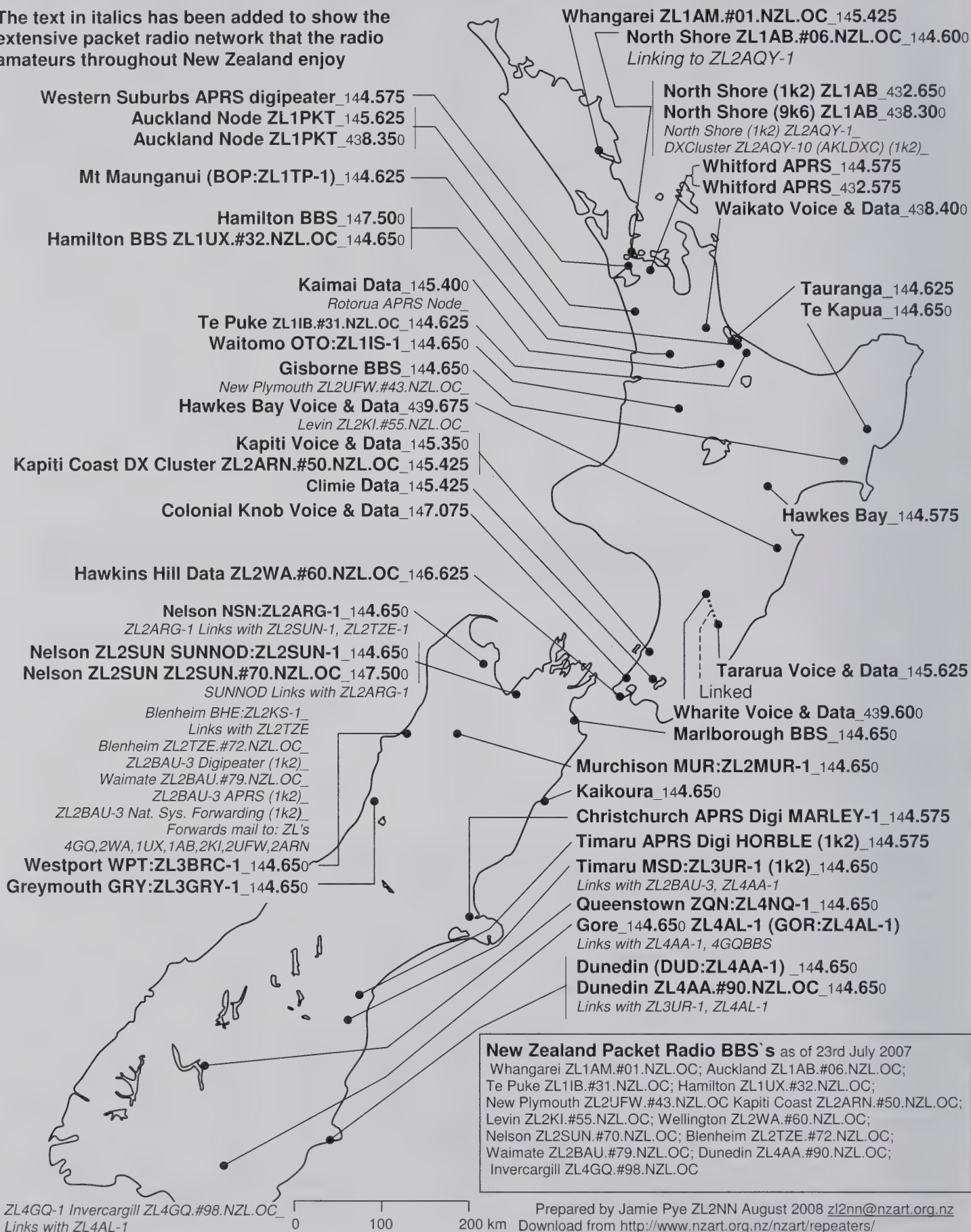
In general, the 615.250 MHz repeaters have inputs of 431.250 MHz and/or 1248 MHz and/or 1282 MHz. In general, the inputs have horizontal polarisation. The 615.250 MHz outputs have the same polarisation as local VHF TV broadcasts, either Horizontal or Vertical

Name	Frequency	Med Site Name	Map Ref	Branch	Trustee 1	Trustee 2	Note
Ngaio	431.2500	Ngaio Reservoir	R27 594933	74	ZL2HD	ZL2TAR	C
Oamaru	615.2500	Cape Wanbrow	J41 504639	64	ZL4SN	ZL4DB	
Christchurch	615.2500	Christchurch	M36 806363	05	ZL3VP	ZL3RX	
Hamilton	615.2500	Hamilton	S14 082776	12	ZL1PK	ZL1GWP	
Hawkes Bay	615.2500	Latham St	V21 454813	25	ZL2TC	ZL2AJ	
Belmont	615.2500	Mt Belmont	R27 669016	74	ZL2TAR	ZL2TVM	
Tasman Bay	615.2500	Mt Campbell	N27 976092	24	ZL2ASF	ZL2VBO	
Dunedin	615.2500	Mt Cargill	I44 199855	30	ZL4JH	ZL4GR	
Auckland	615.2500	Nihotupu	R11 506732	66	ZL1QF	ZL1ABS	
Whangarei	615.2500	Parahaki	Q07 318089	28	ZL1BSW	ZL1TX	
Gisborne	615.2500	Wheatstone Road	Y18 510683	11	ZL2RC	ZL2HC	
Blenheim	615.2500	Wither Hills	P28 921619	22	ZL2BK	ZL2BJV	N
Whitford	1248.0000	Whitford	R11 898705	66	ZL1QF	ZL1ABS	
Oamaru	1282.0000	Cape Wanbrow	J41 504639	64	ZL4SN	ZL4DB	

Repeaters: APRS, BBS, Data (& Voice), Digipeaters 2008

NOTE The naming system is explained on the map **New Zealand Amateur Radio ATV Repeaters 2008**

The text in *italics* has been added to show the extensive packet radio network that the radio amateurs throughout New Zealand enjoy



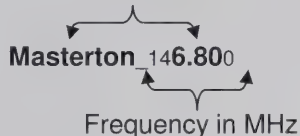
New Zealand Amateur Radio ATV Repeaters 2008

NOTE Repeater **Offsets (splits)** are explained on the map **New Zealand Amateur Radio National System 2008**

Naming of Repeaters and Beacons

The repeaters name is split into two parts: The name (this is normally named after the repeater's location) and the frequency of transmission. The frequency is also split into two parts: an abbreviated version and the full transmit frequency in MHz.

Repeater or Beacon Name **BOLD**



NOTE: If the last digit of a repeater's frequency is a zero, it is not shown as part of the abbreviated name

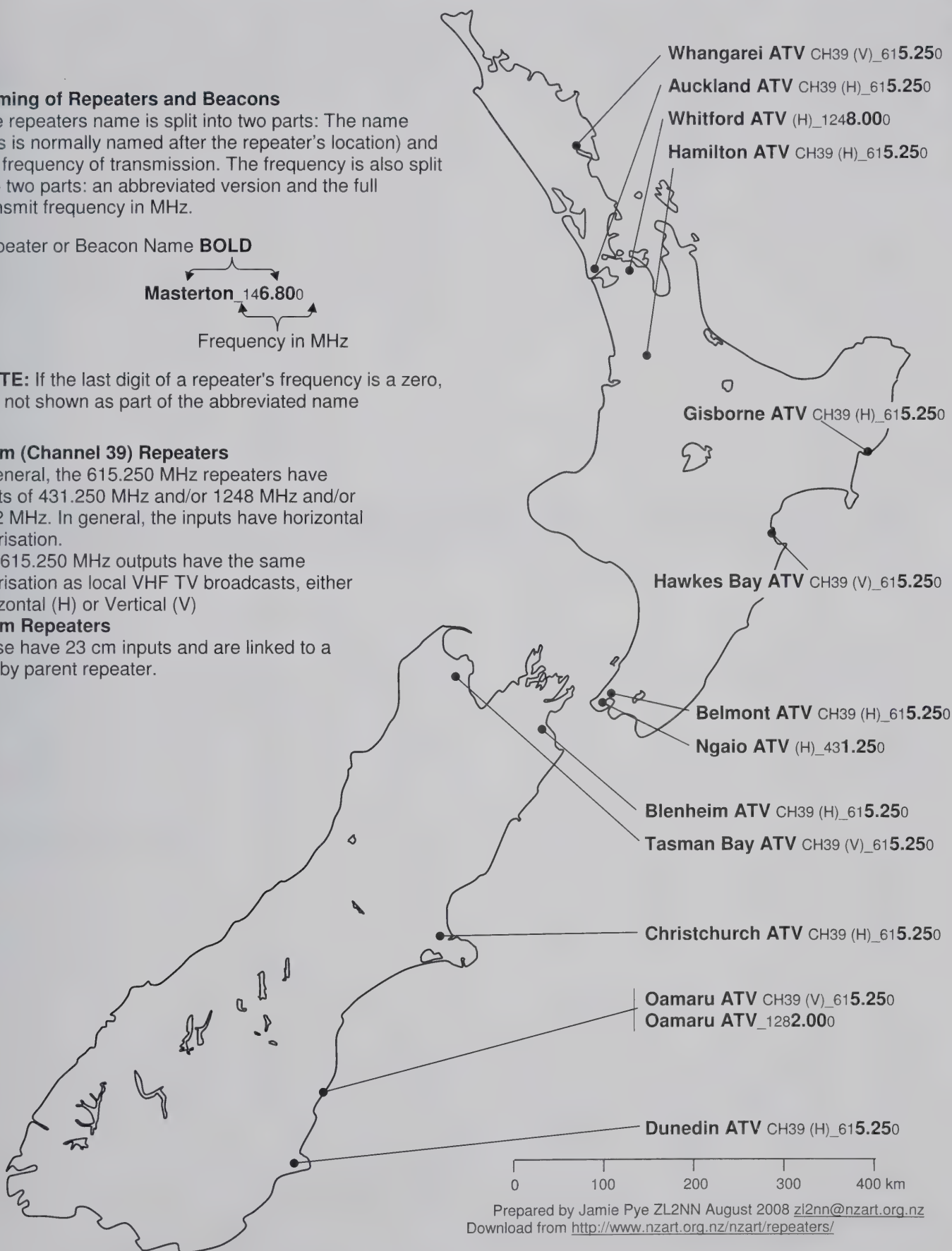
49 cm (Channel 39) Repeaters

In general, the 615.250 MHz repeaters have inputs of 431.250 MHz and/or 1248 MHz and/or 1282 MHz. In general, the inputs have horizontal polarisation.

The 615.250 MHz outputs have the same polarisation as local VHF TV broadcasts, either Horizontal (H) or Vertical (V)

32 cm Repeaters

These have 23 cm inputs and are linked to a nearby parent repeater.



Prepared by Jamie Pye ZL2NN August 2008 zl2nn@nzart.org.nz
Download from <http://www.nzart.org.nz/nzart/repeaters/>

NATIONAL SYSTEM REPEATERS

User transmits 5 MHz high to repeater with an output frequency of 434.xxx MHz. User transmits 5 MHz low for repeater with an output frequency of 439.xxx MHz. Vertical polarisation.

Name	Frequency	Med Site Name	MapRef	Branch	Trustee 1	Trustee 2	Note
Blue Duck 485	434.8500	Blue Duck	P31 753892	05	ZL3VP	ZL3RX	
Mt Erin 485	434.8500	Mt Erin	V22 391556	25	ZL2DW	ZL2TC	
Balclutha 485	434.8500	Mt Stuart	H45 601541	35	ZL4AS	ZL4TL	
Kaimai 485	434.8500	Takaurunga	T15 685649	81	ZL1GWP	ZL3GR	
Egmont 490	434.9000	Mt Egmont	P20 036122	74	ZL2KG	ZL4JY	
Waitaki 490	434.9000	Mt Studholme	J40 452147	34	ZL3OZ	ZL3GL	N
Doubtless Bay 490	434.9000	Rangiawhia	O03 466037	78	ZL1AUI	ZL1BQK	
Murchison 495	434.9500	Mt Murchison	M29 683418	26	ZL2BCA	ZL2RP	
Wairarapa 495	434.9500	Pariwhariki	T27 389077	46	ZL4JS	ZL2BA	C
Brynderwyn 495	434.9500	Pilbrow Hill	Q08 383694	28	ZL1BSW	ZL1TX	
Taupo 9825	439.8250	Maroanui	U17 735940	74	ZL2KG	ZL1BU	
Auckland 9875	439.8750	Klondyke	R13 705258	66	ZL1BK	ZL1TGC	
Wanganui 9875	439.8750	Landguard	R22 830367	48	ZL1BNB	ZL2KR	
Christchurch 9875	439.8750	Marleys Hill	M36 804330	05	ZL3VP	ZL3RX	
Belmont 9875	439.8750	Mt Belmont	R27 669016	74	ZL3TC	ZL2TVM	
Greymouth 9875	439.8750	Sewell Peak	K31 736652	49	ZL3TY	ZL3ADH	N
Gisborne 9875	439.8750	Whakapunake	X18 091532	11	ZL2RC	ZL2HC	
Nelson 9925	439.9250	Fringed Hill	O27 364885	26	ZL2BCA	ZL2RP	
Dunedin 9925	439.9250	Mt Cargill	I44 199855	30	ZL4JH	ZL4GR	
Kapiti 9925	439.9250	Mt Field	R26 875374	69	ZL2GO	ZL2OH	
Whangarei 9925	439.9250	Parahaki	Q07 318089	28	ZL1BSW	ZL1TX	
Waitomo 9925	439.9250	Rangitoto	S16 212126	55	ZL1BZ	ZL1HJ	
Rotorua 9925	439.9250	Whakapoungakau	U16 080399	33	ZL1PJ	ZL1BWC	
Hamilton 9975	439.9750	Hamilton	S14 129719	81	ZL1TAT	ZL1THG	
Bay Of Islands 9975	439.9750	Manginangina	P05 843654	84	ZL1NC	ZL1GSN	
Edgecumbe 9975	439.9750	Mt Edgecumbe	V16 378374	67	ZL1CAY	ZL1OW	
Wharite 9975	439.9750	Wharite	T23 529016	74	ZL2KG	ZL3TC	

NEW ZEALAND AMATEUR RADIO BEACONS

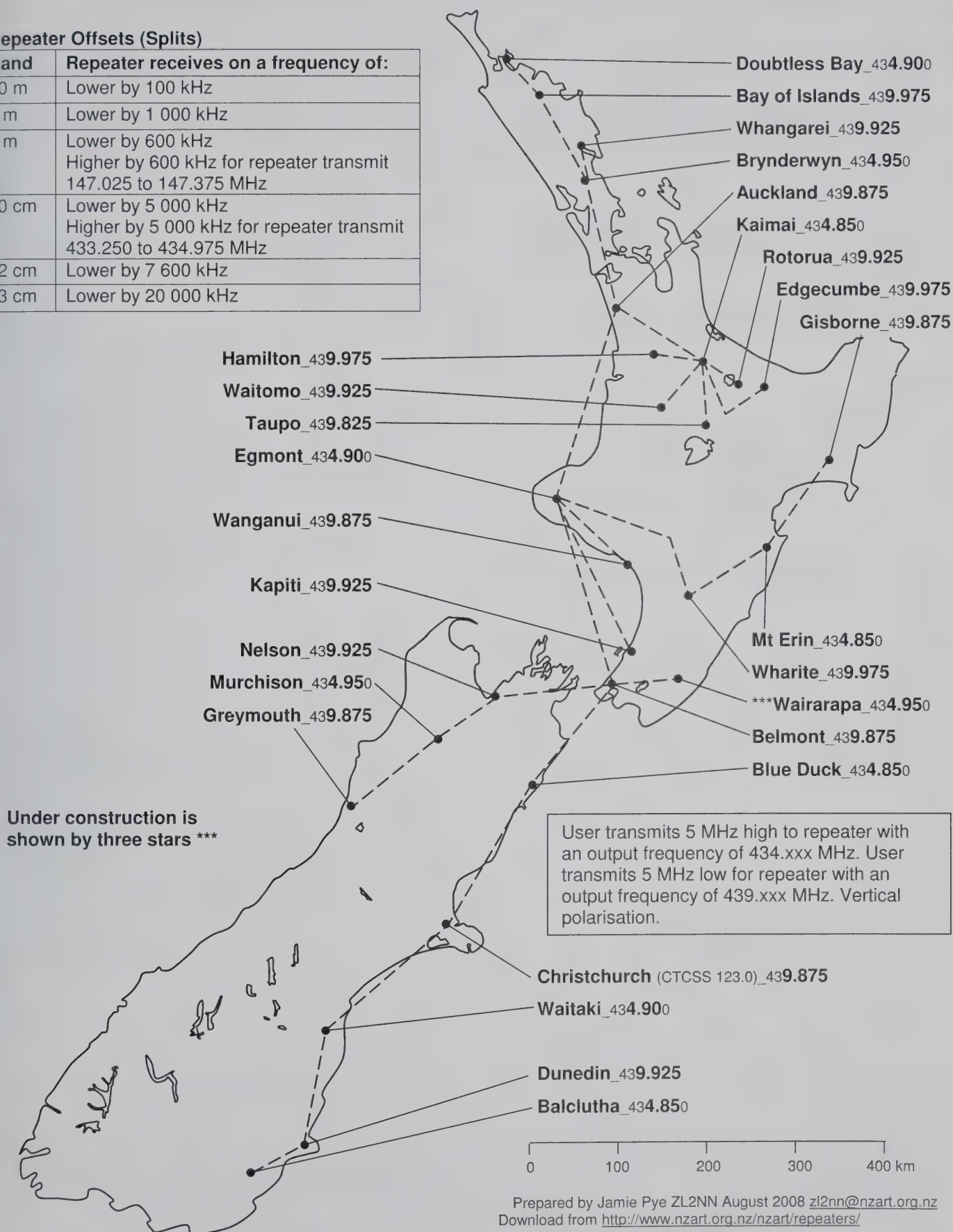
Callsign	Name	Frequency	Med Site Name	Map Ref	Branch	Trustee 1	Trustee 2	Note
ZL6B	IBP, NCDX	14.1000	Gladstone Road	S26 281149	46	ZL2FC		
ZL6B	IBP, NCDX	18.1100	Gladstone Road	S26 281149	46	ZL2FC		
ZL6B	IBP, NCDX	21.1500	Gladstone Road	S26 281149	46	ZL2FC		
ZL6B	IBP, NCDX	24.9300	Gladstone Road	S26 281149	46	ZL2FC		
ZL6B	IBP, NCDX	28.2000	Gladstone Road	S26 281149	46	ZL2FC		
ZL2MHF	Upper Hutt 10 m	28.2290	Mt Climie	S27 901048	63	ZL2TNG	ZL2HM	
ZL3MHB	Greymouth 6 m	50.0525	Greymouth	J31 632602	49	ZL3TY	ZL3ADH	N
ZL1UHF	Auckland 6 m	51.0200	Nihotupu	R11 506732	66	ZL1QF	ZL1JD	
ZL2MHB	Hawkes Bay 6 m	51.0300	Latham St	V21 454813	13	ZL2DW	ZL2TC	
ZL2MHF	Upper Hutt 6 m	52.2750	Mt Climie	S27 901048	63	ZL2TNG	ZL2HM	
ZL2SIX	Blenheim 6 m	52.4900	Wither Hills	P28 921616	22	ZL2BK	ZL2BJV	N
ZL1VHW	Waikato 2 m	144.2560	Hamilton City	S14 108781	81	ZL1THG	ZL1TAT	
ZL2UHF	Hawkins Hill 2 m	144.2750	Hawkins Hill	R27 550854	74	ZL3TC	ZL2AOC	
ZL3VHF	Christchurch 2 m	144.2850	Galbraith Ave	M35 832434	05	ZL3VP	ZL3RX	
	Hokitika 2m	144.2860	Hokitika	J33 427300	49	ZL3TY	ZL3ADH	N
ZL1VHF	Auckland 2 m	144.2530	Nihotupu	R11 506732	66	ZL1QF	ZL1VWM	
ZL2VHT	New Plymouth 2 m	145.2250	Otaraoa Road	Q19 233368	27	ZL2BR	ZL2BZH	
ZL2MHB	Hawkes Bay 2 m	145.2400	Latham St	V21 454813	25	ZL2DW	ZL2TC	
ZL1VHW	Waikato 70 cm	432.2560	Hamilton City	S14 108781	81	ZL1THG	ZL1TAT	
ZL2UHF	Hawkins Hill 70 cm	432.2750	Hawkins Hill	R27 550854	74	ZL3TC	ZL2AOC	
ZL3UHF	Christchurch 70 cm	432.2850	Galbraith Ave	M35 832434	05	ZL3VP	ZL3RX	
ZL1UHF	Auckland 70 cm	432.2530	Nihotupu	R11 506732	66	ZL1QF	ZL1VWM	
ZL2VHT	New Plymouth 70 cm	433.2250	Otaraoa Road	Q19 233368	27	ZL2BR	ZL2BZH	
ZL2UHF	Lower Hutt 32 cm	925.2750	Dowse Drive	R27 675979	74	ZL2TAR	ZL2TAK	
ZL1VHW	Waikato 23 cm	1296.2560	Hamilton	S14 108781	81	ZL1THG	ZL1TAT	
ZL2UHF	Hawkins Hill 23 cm	1296.2750	Hawkins Hill	R27 550854	74	ZL3TC	ZL2AOC	
ZL1UHF	Auckland 23 cm	1297.1000	Nihotupu	R11 506732	66	ZL1QF	ZL1VWM	
ZL2UHV	Lower Hutt 12 cm	2402.2750	Birch St	R27 711976	18	ZL2TVM	ZL2TWS	
ZL1SHF	Muriwai 5 cm	5765.0000	Muriwai	Q11 392826	74	ZL1TBG	ZL1AVZ	
ZL2UHF	Hawkins Hill 3 cm	10250.0000	Hawkins Hill	R27 550854	74	ZL3TC	ZL2AOC	
ZL2SHF	Hawkins Hill 12 mm	24150.0000	Hawkins Hill	R27 550854	74	ZL3TC	ZL2AOC	

New Zealand Amateur Radio National System 2008

NOTE The naming system is explained on the map for New Zealand Amateur Radio ATV Repeaters 2008

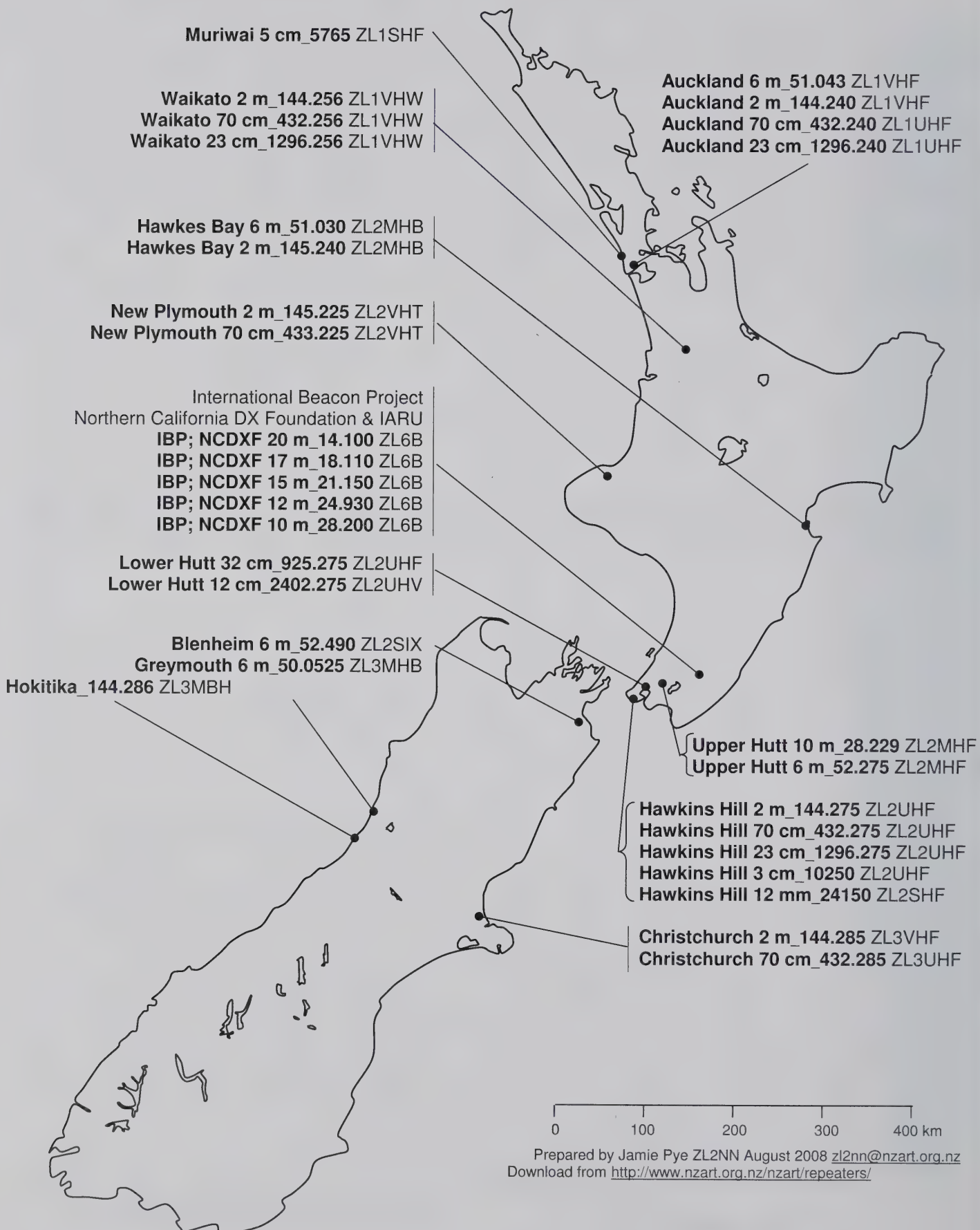
Repeater Offsets (Splits)

Band	Repeater receives on a frequency of:
10 m	Lower by 100 kHz
6 m	Lower by 1 000 kHz
2 m	Lower by 600 kHz Higher by 600 kHz for repeater transmit 147.025 to 147.375 MHz
70 cm	Lower by 5 000 kHz Higher by 5 000 kHz for repeater transmit 433.250 to 434.975 MHz
32 cm	Lower by 7 600 kHz
23 cm	Lower by 20 000 kHz

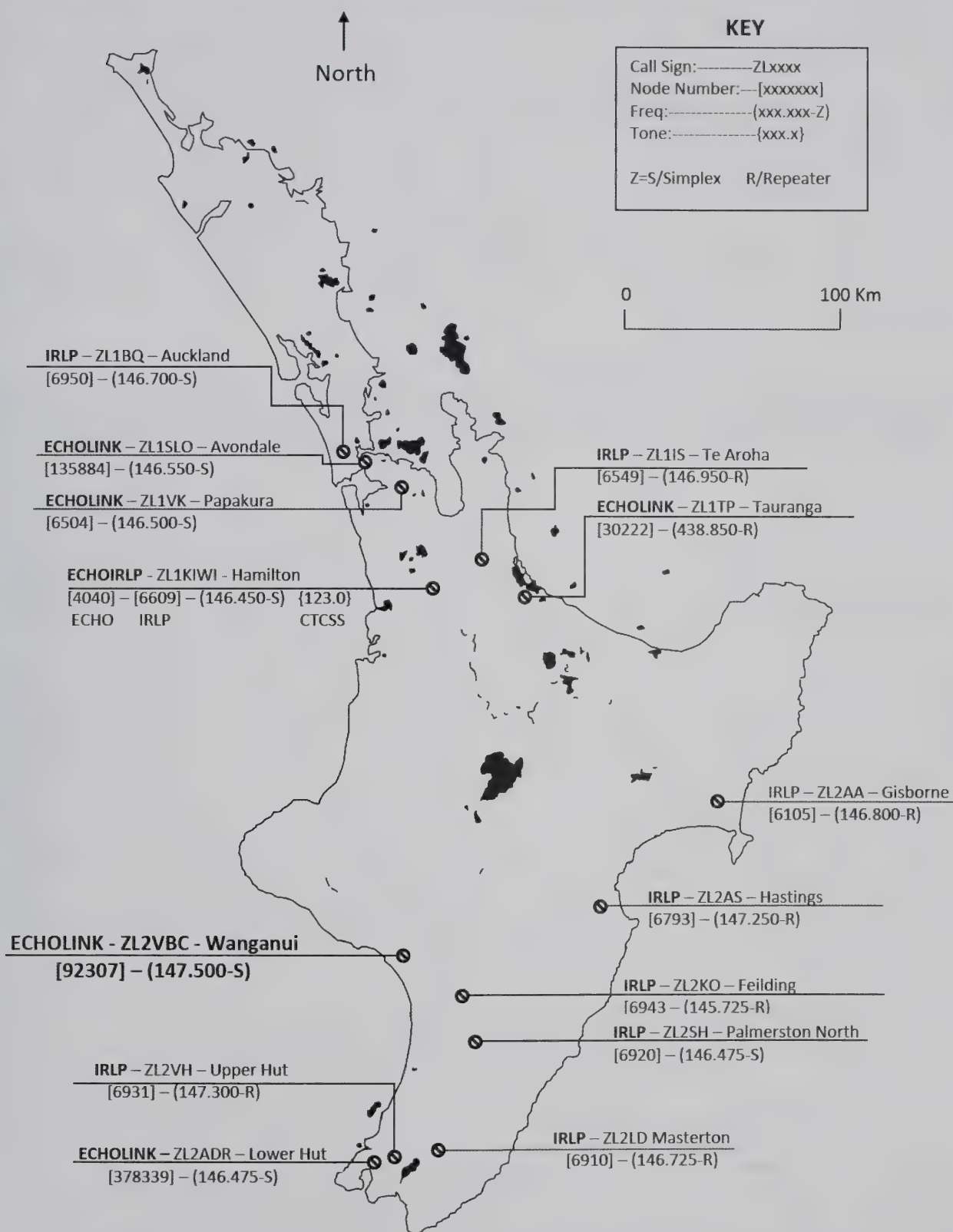


New Zealand Amateur Radio Beacons 2008

Frequencies are in MHz



New Zealand Amateur Radio VoIP Systems



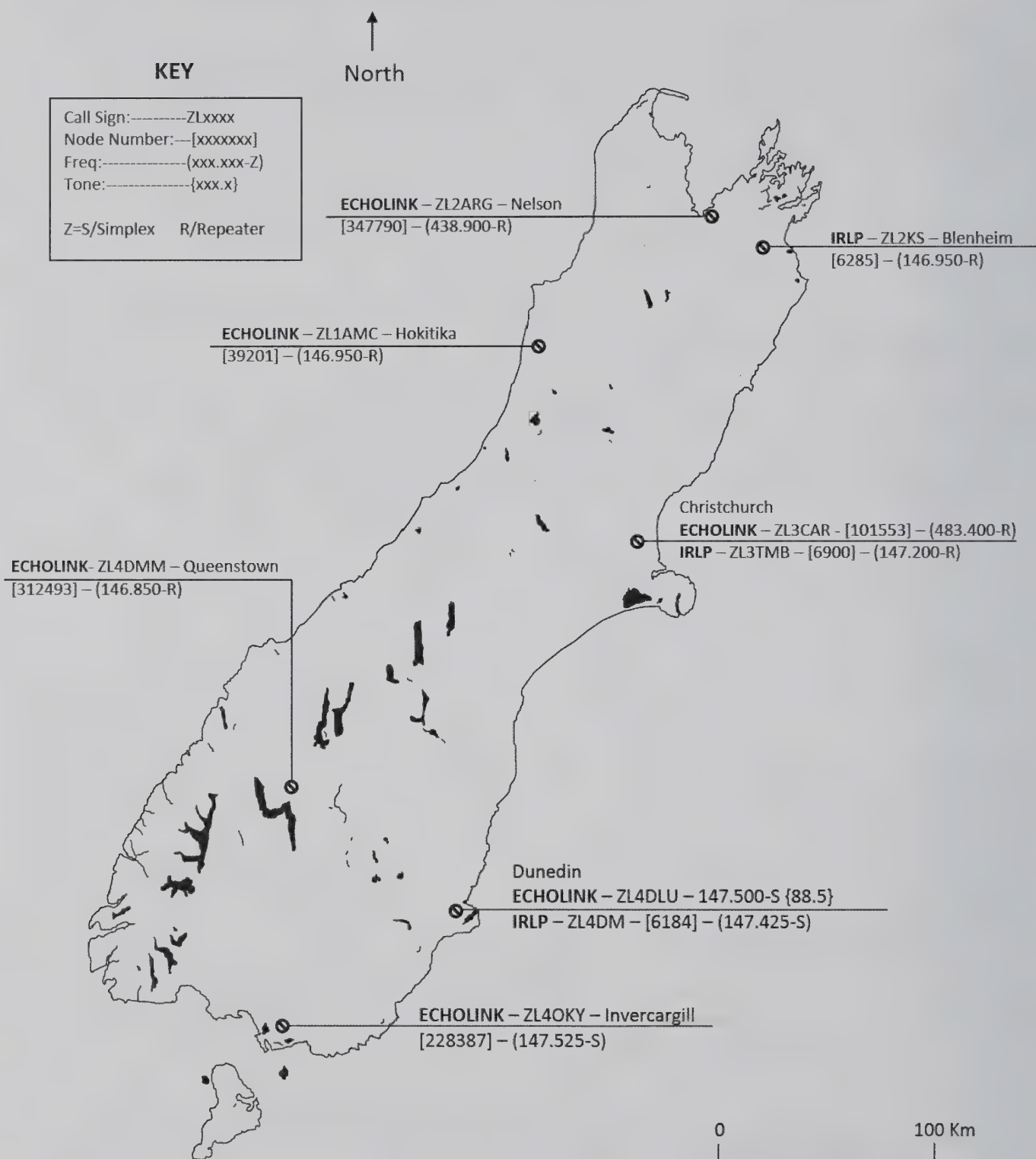
Prepared By Cyril Rosewarne ZL2VBC Sept 2008

<http://homepages.xnet.co.nz/~rosvonne/EcholinkWebpage/echolink.html>

North Island Link

South Island Link

New Zealand Amateur Radio VoIP Systems



Prepared By Cyril Rosewarne ZL2VBC Sept 2008

<http://homepages.xnet.co.nz/~rosvonne/EcholinkWebpage/echolink.html>

North Island Link

South Island Link

SHORT TERM SPECIAL PURPOSE (STSP) REPEATERS

Most Branches have cancelled their individual STSP Licences, and are now taking advantage of MED Licence 209732.

CONDITIONS OF LICENCE 209732:

Transmit Frequencies: 146.675, 146.725, 146.825, 146.875, 146.925, 438.625, 438.675, 438.725, 438.750, 438.775 MHz. Standard input/output frequency offsets.

17 dBW (50 Watts) maximum e.i.r.p.

STSP repeaters must not cause interference to other licensed services.

Only STSP repeaters are permitted under this licence.

The maximum permitted operating duration is 14 days.

The minimum inter-antenna spacing, between the STSP repeater antenna and the antenna of any other communications service, is 50 metres; otherwise ALL NEW ZEALAND.

The following Branches have retained their individual STSP licences.

Frequency	Med Site Name	Map Ref	Branch	Trustee 1	Trustee 2	Note
145.925	Seddon Road	S14 102773	12	ZL1PK	ZL1GWP	
146.725	Taumarunui	S17 046058	38	ZL1UTH	ZL1TIP	
146.725	Auckland	R11 874719	66	ZL1TGC	ZL11CU	
146.875	Hickling Park	U18 790759	60	ZL1BVO	ZL1DT	
146.925	Nelson	P28 859703	26	ZL2BCA	ZL2RP	
147.275	Christchurch	L37 105002	05	ZL3VP	ZL3RX	
438.625	Dodson Valley	O27 369961	26	ZL2BCA	ZL2RP	

SIMPLEX AND CALLING FREQUENCIES

144.100	Oceania SSB Calling
144.200	NZ SSB Calling
144.500	FM Calling
144.550	Narrow digital mode simplex of up to 16 kHz bandwidth
144.575	Data Simplex and APRS
144.600	Primary data/packet port linked to Digital National System
144.625	Secondary data/packet port linked to Digital National System
144.650	Primary local data/packet store/forward
144.675	Secondary local data/packet store/forward
144.700	Voice-over Internet Simplex
145.250	Narrow band picture modes: FAX, Hellschreiber, SSTV, etc.
146.425 to 146.600	FM Simplex
147.400 to 147.475	FM Simplex
147.500	Tertiary local data/packet store/forward
147.525 to 147.600	FM Simplex
432.200	SSB Calling
432.500	FM Calling
432.550	Narrow digital mode simplex of up to 16 kHz bandwidth
432.575	Data Simplex and APRS
432.600	Primary data/packet port linked to Digital National System
432.625	Secondary data/packet port linked to Digital National System
432.650	Primary local data/packet store/forward
432.675	Secondary local data/packet store/forward
432.700	Voice-over Internet Simplex
438.300	Tertiary local data/packet store/forward
1294.125	Wide digital mode simplex of up to 250 kHz bandwidth

Above 432 MHz use the following as a guide to designated frequencies:

F to F+1 MHz for standard narrow band or weak signal segment, Where F = 432, 621, 925, 1296, 2424, 3399, 5760, 10368, 24192, 47088, 80640 MHz.

F+0.200	SSB Calling
F+0.250 to 0.300	Beacons (geographic plan, 1 kHz spacing)
F+0.500	FM Calling
F+0.550	Narrow digital mode simplex of up to 16 kHz bandwidth
F+0.575	Data Simplex and APRS
F+0.600	Primary data/packet port linked to Digital National System
F+0.625	Secondary data/packet port linked to Digital National System
F+0.650	Primary local data/packet store/forward
F+0.675	Secondary local data/packet store/forward
F+0.700	Voice-over Internet Simplex

OLD TIMERS' CLUB (ZL)

By
ROY SYMON
ZL2KH

The objects of the Old Timers' Club (ZL) are set out in our Constitution adopted in 1993. They are as follows:

1. To recognise service to Amateur Radio;
2. To revive and maintain interests and good fellowship among the older members in the common cause.
3. To offer advice and encouragement to newer Amateurs.

The Club is affiliated to the New Zealand Association of Radio Transmitters (Inc).

The Annual General Meeting is held on the Sunday morning of Queen's Birthday weekend (in conjunction with the NZART Conference) so it is possible that there will be changes in those holding office after that date.

Grand Old Man: Peter Anderson, ZL1LR

Secretary/Treasurer: Roy Symon, ZL2KH

Postal Address: OTC, 25 Annandale St, New Plymouth.

Phone: (06) 758-2156

E-mail: <zl2kh@nzart.org.nz>

Roy can also be contacted during the OTC Net on 3.865 MHz.

Any material for the Break-In page should be sent to:
ZL2KH, 25 Annandale St, New Plymouth.

Net Controllers:

Roy Symon ZL2KH

Don Dalrymple ZL3SZ

Stuart Watchman ZL2TW

80 m AM Phone - Doug Alexander ZL2AWF

District Representatives: Tom Spackman ZL1WW, Don Dalrymple ZL3SZ, Stuart Watchman ZL2TW, Peter Anderson ZL1LR

OTC Scribe: Roy Symon ZL2KH.

A National Single Side-band Net is held every Monday evening at 2030 hrs (local time). The callsign is ZL6OTC. The frequency is 3.865 MHz. An AM Net is also run on Sunday morning at 10.30 am on 3.850 MHz. The Secretary gives the Club News during the SSB Net.

Full membership is available to any holder of a ZL callsign who has held an amateur licence for the last 25 years or more and is still an active amateur.

In addition, Associate Membership is available to any ZL amateur who has attained the age of 60 years (and over) and has been an active amateur for 10 or more years. Voting privileges are not available to Associate Members.

Application Forms for membership may be obtained from a District Representative, from the National Secretary, or can be downloaded from the NZART web page: <www.nzart.org.nz>. A joining fee of \$10.00 is payable on application.

Evidence of eligibility which is to be submitted shall include, full name, present callsign, original call, operator's certificate number and date of original licence. All applications for membership shall be proposed and seconded by present OTC members.

On acceptance, a Certificate is issued to all Full and Associate Members, and they will be listed in the Blue Book. In addition further handsome certificates are available on request to those who attain 50, 60, 70, and 75 years of Amateur Service.

All members of OTC are eligible to wear the Peacock Blue NZART Badge with callsign so long as they are financial members of NZART. This badge is available from NZART HQ at the current price of the similar black membership badges.

Articles relating to all aspects of OTC or of vintage radio for publication in the OTC section of Break-In are welcomed by, and should be addressed to our Scribe, Roy Symon ZL2KH, 25 Annandale St, New Plymouth.

JAMBOREE ON THE AIR

18-19 October 2008
17-18 October 2009

JIM PARNELL
ZL2APE

JOTA is an annual event in which about 500,000 Scouts and Guides in countries all over the world make contact with each other by means of amateur radio. It is a real Jamboree during which Scouting and Guiding experiences are exchanged and ideas are shared, thus enhancing world-wide Scouting and Guiding. JOTA has been held annually since 1958 and Scouts and Guides are encouraged each year to invite radio amateurs to help them take part.

There are great potential benefits to amateur radio by encouraging young people to take part in JOTA as it introduces them to the hobby that you as an amateur enjoy. So it is in the interests of New Zealand amateurs to anticipate invitations by Scouts and Guides and also to approach their leaders, offering services and equipment.

The easiest way for Scouts and Guides to take part in JOTA is for them to visit an amateur station sometime during the JOTA

period. At the station, the amateur establishes a contact with another amateur station and then hands over the microphone to the Scouts and/or Guides. Satellite, Packet, SSTV and other modes of communication (including e-mail) are now used for JOTA as well as the normal modes using HF and VHF/UHF.

Many stations are set up at Scout or Guide Headquarters

or at some local "interesting" or appropriate venue. Often, JOTA stations are set up at camps, the radio activities being incorporated into the camping programme.

JOTA is now run concurrently with the Jamboree on the Internet (JOTI), the JOTA and JOTI stations being often combined on the same site. There is much information about JOTA and JOTI on the New Zealand Scouting

web pages: <www.scouts.org.nz>, on the world scout JOTA web pages: <www.scout.org/jota> and <www.scout.org/joti>. Also on <www.jimparnell.co.nz/jota/jota.html> and <www.jimparnell.co.nz/joti/joti.html>.

JOTA and JOTI are both coordinated by the World Scout Bureau and organised by National Organisers in each Scouting and Guiding country.

JOTA and JOTI are always held during the 48 hours (local time) of the third full weekend in October. Sometimes this weekend is followed by Labour Day (4th Monday in October) and sometimes not.

In the year 2008, JOTA will be held on 18 and 19 October and in 2009, it will be on 17 and 18 October. Neither of these weekends is Labour Weekend.

Jim Parnell, ZL2APE
<zl2ape@nzart.org.nz> and
<jim-p@ihug.co.nz>

**National Organiser
for JOTA and JOTI in
New Zealand.**



SPAM (Society for the Preservation of Amplitude Modulation)

Secretary/Treasurer

Roy Symon, ZL2KH
25 Annandale St,
New Plymouth
Phone: 06-758-2156
E-mail: <zl2kh@nzart.org.nz>

Librarian and Archivist

John Nicholson, ZL1AUB
30 Alfred St
Fairfield
Hamilton 2001
Phone: 07-855-5435
E-mail: <j.nicholson@clear.net.nz>

Meetings

The Annual General Meeting is held annually at Queen's Birthday

Weekend in conjunction with the NZART Conference.

Aims and Objects

To preserve Amplitude Modulation as a means of Amateur Radio communication.

General

In order to keep expenses to a minimum, membership lists, financial statements, information, etc., sought by members will be sent on receipt of a stamped and addressed envelope. The information sought will be sent as soon as possible.

Nets

There are nets operating at present on AM on 3.850 MHz at the following times:

Friday evenings at 2000 hours (Northern area based).

Those interested are urged to call "CQ AM" on 3.850 MHz AM any evening at 2000 hrs local time if they want a QSO.

Subscription

\$5.00, payable once only on joining. A collection will be taken up each year at the Annual General Meeting, and donations will always be acceptable.

Bulletins

Bulletins are sent out regularly by e-mail to those who have provided their e-mail addresses. These are sent by the "blind copy" method so individual's addresses are not circulated to everyone. The bulletins include news, requests for information, parts and equipment available, parts or equipment wanted, plus anything else that might be of interest to members.

WARO

Call-sign ZL6YL

Object

To promote and encourage interest in Amateur Radio amongst women.

WARO was formed in 1961-62 by a small but keen group of YL transmitters and has steadily grown both in numbers and enthusiasm.

For the annual subscription (currently \$10.00 (increasing to \$15 if unpaid at the end of August) for New Zealand members) members receive four quarterly Bulletins containing items of interest to operators and friends, with special attention to YL activities.

Associate members—YLs who do not have a transmitting licence are welcome, as are YLs from overseas, many of whom are sponsored by ZL members.

Friends of WARO—persons who support WARO may become Friends of WARO by making a donation of not less than the current subscription.

The Thelma Souper Memorial Contest is held annually in early April in honour of our founder. It is open to YLs and OMs and is held on the lower end of the 80 m band.

The WARO Achievement Award may be awarded annually to persons nominated by their peers for outstanding achievements in any aspect of Amateur Radio. Nominations close at the end of March each year and the Award is presented at the AGM in June.

The form this takes is the Myrtle Earland Memorial Rosebowl in honour of New Zealand's first licensed YL.

WARO also operates several awards including the WARO Award and the Mountain Buttercup Award. For further details on these see the Awards section elsewhere in this Call Book.

Elected Officers

President

Lynnette McDonald ZL1LL
<lynnette.mcdonald@xtra.co.nz>

Vice-President

Ann Fraser ZL3TNT
<zl3tnt@nzart.org.nz>

Secretary

Rosemary Boshier ZL1RO
<rboshier@ihug.co.nz>

Treasurer and Membership Applications

Margaret Bretherton ZL1MB
<daryl_bretherton@xtra.co.nz>

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Bev Gillman ZL3OV
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Ngairi Jury ZL2UJT
<ngairiej@orcon.net.nz>

Awards Manager

Lynnette McDonald ZL1LL
<lynnette.mcdonald@xtra.co.nz>

Contest Manager

Bev Osborne ZL1OS
<zl1os@slingshot.co.nz>

Sponsorship Secretary

Celia Reed ZL1ALK
<c.reed@xtra.co.nz>

Librarian/Archivist

Joline Beale ZL1UJB

<joline@paradise.net.nz>

Official Broadcast

Co-ordinator

Rosemary Boshier ZL1RO
<rboshier@ihug.co.nz>

Break-In Columnist

Vacant

Bulletin Editor

Bev Osborne ZL1OS
<zl1os@slingshot.co.nz>

YL Nets

WARO VHF Auckland

Sunday 7 pm NZ time 146.625 MHz (Klondyke)

WARO HF WARO

Mondays 8 pm NZ time 3.695 MHz ±

WARO Executive

Second Sunday 0800 UTC 3.695 MHz ±

International ALARA

Mondays 1030 UTC 3.580 MHz. YL "222": Mondays 0600 UTC 14.222 (Net Control June VK4SJ).
VE/VK/ZL: Fridays 0500 UTC 14.148 MHz.

DX sponsorship

It is great to sponsor a YL from another YL organisation – increases your awareness of other countries and their people. We have DX sponsored members from all over the world and it does help to forge greater bonds between all of us. To sponsor a YL contact the Sponsorship Secretary for further information and contacts. It costs the value of a DX membership subscription and gives the chance

to exchange news and views with each other.

YL Get-Togethers

These are held regularly throughout the country as well as the annual Get-Together at the time of our AGM in June. Consider going along to these affairs—they are a lot of fun.

WARO Bulletin/ Break-In page

Copy is always required for these publications and any news/views of/by or from members are very welcome by the two editors concerned. Photographs are especially welcome – how about sending some in NOW. Enquiries are always welcome from any YL for membership/fellowship in all of our activities. Feel free to contact any of the above-mentioned YLs or any other member of WARO. And always be on the lookout for ZL6YL – our own call-sign.

WARO on the Internet

<www.qsl.net/zl6yl> or <www.nzart.org.nz>. Visit the WARO website where you will find past issues of the WARO Bulletin and WARO news. There is also a comprehensive history of WARO, and links to DX YL amateur radio organisations.

What is the NZART Radioscience Education Trust?

The Trust is a fund from which money will be made available for charitable purposes and the objectives of the Trust are set out in a Deed of Trust. It is structured to operate as a charitable trust to maximise the benefits to the recipients. It is governed by three Trustees who are responsible for all aspects of the Trust's operation.

What are the Trust's objectives?

The objectives for which the Trust has been established are to apply the Trust's assets within New Zealand to promote and encourage education in radioscience, whether by payment of course fees for worthy candidates, the provision of prizes for excellence in educational activities, grants-in aid, or otherwise as the Trustees think fit. Beneficiaries do not have to be members of NZART, nor will members receive preference.

How does the Trust work?

Currently the Trust provides prizes and awards for students offering a project or exhibit having a radioscience theme at local school Science and Technology Fairs. Organising this activity involves NZART members at national and Branch level throughout the country.

Where does NZART fit into this Trust?

The Deed of Trust specifically sets the Association aside from any involvement. In effect, the Trust will be transparent to the Association since the awards, their control, and the financial aspects of the Trust are totally under the control of the Trustees.

How will the Trust's finances grow?

The Trust operates from the income generated by the capital invested and the accrued interest is used to finance the awards and prizes etc. Apart from the foundation donation, other significant capital has come from anonymous donors and surpluses from NZART conferences.

The Trustees welcome inquiries from any person or organisation wishing to support the Trust by donation; replies will be treated in the strictest confidence. The Trustees intend that the fund should grow at least in line with inflation to ensure benefits are not eroded. The Trust is recognised by the IRD as a "Charitable Trust". Briefly, this means that the Trust's income is not taxable and that in most cases donations to the Trust are tax-deductible.

Who are the Trustees and how are they appointed?

The four Trustees are all NZART members of long standing who hold the Association, its aims and objectives at the highest level. The present Trustees are:

Terry Carrell ZL3QL, Christchurch. Life Member, Past- President, and ex-IARU Liaison Officer.

Peter Norden ZL2SJ, Featherston, a former President NZART.

John Walker ZL3IB, Christchurch. Editor *Break-In*

Grahame Fraser ZL3SJ Christchurch, Associate Editor *Break-In*

The President of NZART, in consultation with the Vice-President, will appoint the Trustees as and when necessary.

The Science and Technology Fair Organisation

Nationally, the Science and Technology Fair scheme is sponsored by a number of organisations and, at present, there are 22 regional Science and Technology Fairs whose winners go on to take part in the National Science and Technology Fair. More information on these may be found on the Royal Society's web page <www.rsnz.govt.nz>.

What are the prizes for?

The aims of the Trust are broad. The Trustees wish to support and encourage all and any aspect of radioscience. Relevance to amateur radio is a plus but not a prerequisite. For the time being the Trust sponsors a prize to the value of \$100 at each of the local area Science and Technology Fairs. Local NZART Branches are asked to provide judges and other forms of support for these events. The Trust also provides a Certificate of Merit (for the prize winner) and a Certificate of Commendation (one or more of which may be awarded at the judges' discretion). Prizes will only be awarded where the judges consider there is a worthy recipient.

Starting in 2007 the Trust offered limited "Grants-in-aid" to support suitable radioscience projects in schools. Full details and application forms appear in *Break-In* and are on the Trust's web page <<http://www.nzart.org.nz/nzart/nzart/trustweb.html>>

It is hoped that in the long term this two-way exchange will generate interest in radio and electronics leading to more young radio amateurs. At the same time it provides Branches with a means of local involvement and recruitment.

Looking ahead: let's talk about the Trusts, bequests and your will

By supporting the Trust you can partake in the development of new and exciting communications technology that is rapidly adding more options for a career, education, international understanding, and a wonderful pastime. You can help preserve this experience and pass it on to a new generation of New Zealanders by contributing to the Trust. You can be part of the future now!

It's quite natural to wonder about the future. Potential contributors may ask in what way they can support the NZART Education Trust throughout a lifetime or beyond. You may have had in your amateur radio activity an experience that has enriched your life, or seen or heard of something special that you wish to help perpetuate. Perhaps the Amateur Service with its many facets of activity, and public service, has made a lasting difference to your life, education and career.

A practical way to ensure future interest in Amateur Radio is by making a bequest to the Trust. The legally binding obligations on the Trust, as set out in its Deed of Trust, ensure that your donation will be preserved and used exclusively for the purpose intended, the promotion and encouragement of education in radioscience. We recommend strongly that a solicitor provide assistance when you are considering a bequest, or any modification to your will, as the law must be considered when executing a bequest. Your solicitor can assist you to tailor your will to your precise needs.

The NZART Radioscience Education Trust is a Charitable Trust founded the NZART Inc to promote and encourage education in radioscience. The Trust's income is tax-free and donations to the Trust are tax-deductible to the extent permitted by the Income Tax Act 1994.

Correspondence regarding the Trust, grant applications and contributions should be addressed to: The Trustees, NZART Radioscience Education Trust, PO Box 1733, Christchurch 8140. Information about the Trust is also available on the NZART web site <<http://www.nzart.org.nz/nzart/nzart/trustweb.html>>.

LATE ADDITION TO AWARDS SECTION:

Trigtop Award

Aim 1 – *To contact operators from hilltops around the country.*

Aim 2 – *To encourage people to venture up hilltops with amateur radio.*

Brief Description

Log contacts you make with hilltop stations to accumulate contact points. Persons with top three points total per calendar year will receive a first, second or third award for that year. Persons scoring over 500,000 will receive an award.

Rules

- Contact may be made once with a trigtop station per day, per hilltop. If an operator stays at a trigtop overnight you may work him or her the next day. If an operator moves to another trigtop in the same day you may also rework him or her.
- Trigtop stations must be within 50m of a trig station as shown on a 1:50000 map. These are shown by a solid or hollow triangle. "Spot heights" are not counted for this award.
- Operators may access a trig by any means. The mode of transport however will affect the score.
- An operator at a trigtop may claim the hilltop points for him or herself if he or she makes one QSO with another amateur operator. They may self claim only once.
- Permission must be sought by the landowner to access trigtops on private land. Any reports of illegal trespassing will nullify all contacts made from the trig concerned. DOC land and public land is exempt from this. If you are within 50m of a trig and on public land you may claim the trig, provided you do not need to cross into private land at any time without permission.
- Stations must follow band plan and amateur rules to be eligible for the award.

Scoring

Base points – The altitude above sea level of the trigtop as shown on the 260 series maps.

Multiplier 1 – Mode of access to trigtop.

X 2 for walking over 100m vertically or over 500m horizontally to the trigtop

X1 for all other modes of transport accessing the site.

Multiplier 2 – Retransmission

X 2 for simplex contacts.

X 1 for contacts through repeaters, or other retransmission devices.

Multiplier 3 – Activation a Trig

X 3 if you are the station at the trigtop

X 1 if you are the station working the trigtop station

Exchange

A valid contact must exchange the following

- Callsign
- Signal Report
- Trigtop Name if known, or NZMG grid reference if not known.
- Trigtop height for scoring as shown on 260 series maps. Do not rely on GPS readings.
- Multipliers for scoring.

Logs

A sample log is attached. Logs must carry the information exchanged in the QSO, and all scoring information. Logs should be submitted for the annual place getter prize in the month of January for the previous calendar year. Logs submitted to claim the award may be submitted at anytime.

Special Case

If one trigtop is working another trigtop, to claim both their and your own points, make two QSOs. The first for your own trigtop to claim for yourself. The second to claim the points of the trigtop you are working. This should be shown in the log as two QSOs.

Appendix 1 Grid Reference

Map number and 6-figure grid are acceptable for this. Refer to the 260 series of maps for details on how to supply a 6-figure co-ordinate. State the map number and 6-figure grid in your log. These are accurate to 100m.

Appendix 2 – Multiplier 1

To claim 100m vertical walking, you must have started your tramp at a height above sea level 100m less than the trig. Thus you must have ascended at least 100m to get to the trig. To claim 500m horizontal, your tramp must have taken you over 500m of ground. This equates to half a square on 260 series maps. Meeting either of the above conditions makes you eligible for multiplier 1.

Enjoy this award

Warren Harris

ZL2AJ

warren@technaserve.com

NOTES



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We have been involved with all aspects of rechargeable battery packs for several years and enjoy an excellent reputation throughout New Zealand and internationally. We specialise in repacking all battery packs and assembling

packs to your own design. Often you will need battery packs that are no longer available. We can help as we are carrying ex-stock more different size batteries than any one else in New Zealand

WHAT IS REPACKING?

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test them with our specialist programmed equipment. We take great care in opening the cases and often you cannot tell the difference.

WHY REPACK?

Repacking is cheaper than buying new.

When repacking, where possible, we install higher capacity cells which give longer use time between charges. If you buy new, the battery packs COULD be well past their shelf life (much depends on how long they have been in

storage in the supply chain) which means they may not be as good as repacking.

We are authorised Sanyo and Panasonic dealers, which are by far the best cells available, but we also have access to other brands if required.

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All 2-way radio battery packs
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1.2GHz Transceiver

10W

ID-1

- Both DV and DD modes available
- PC remote control software included
- Separate remote controller and speaker



144/430(440MHz) Dual Band Transceivers

50W

IC-2820H + UT-123

IC-E2820 + UT-123

- 50W output power (VHF/UHF)
- Wideband receiver with V/V, U/U dualwatch capability
- D-STAR + GPS receiver capability (UT-123 required)

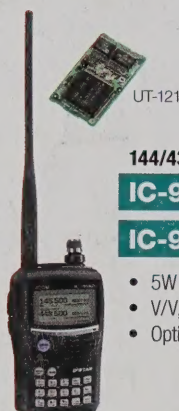


144/430(440)MHz Dual Band Transceiver

55/50W

ID-800H

- 55/50W output power (VHF/UHF)
- Wideband receiver
- Detachable front panel



144/430(440MHz) Dual Band Transceivers

IC-91AD

IC-91A + UT-121

- 5W (typ.) output power (VHF/UHF)
- V/V, U/U dualwatch receive capability
- Optional PC remote control software



144MHz FM Transceiver

IC-V82 + UT-118

430(440)MHz FM Transceiver

IC-U82 + UT-118

- 7W output power (IC-V82)
- 5W output power (IC-U82)
- 200 memory channels



144MHz FM Transceiver

IC-2200H + UT-118

- 65W output power
- 207 memory channels
- Simple operation

Repeater compatibility chart with ICOM digital transceivers

	ID-1	IC-2820H + UT123 OR IC-E2820 + UT123	ID-800H	IC-91AD, IC-91A + UT-121 OR IC-E91 + UT-121	IC-V82 + UT-118	IC-U82 + UT-118	IC-2200H + UT-118
ID-RP2000V	-	✓	✓	✓	✓	-	✓
ID-RP4000V	-	✓	✓	✓	-	✓	-
ID-RP2V/ID-RP2D	✓	-	-	-	-	-	-

* Repeater access during radio frequency. Cross band operation between ID-RP2000V/RP4000V/RP2V is also possible.

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